

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039182.D
 Acq On : 13 Dec 2023 10:57
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 01:10:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:05:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	125668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233411	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44061	19.139	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	38.280%#		
35) Dibromofluoromethane	5.385	113	31417	19.483	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.960%#		
50) Toluene-d8	8.647	98	117173	19.573	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	39.140%#		
62) 4-Bromofluorobenzene	11.079	95	47615	19.277	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	32897	18.629	ug/l	97
3) Chloromethane	1.295	50	38178	19.502	ug/l	100
4) Vinyl Chloride	1.374	62	36440	20.014	ug/l	97
5) Bromomethane	1.599	94	21681	20.698	ug/l	95
6) Chloroethane	1.685	64	20856	19.009	ug/l	96
7) Trichlorofluoromethane	1.886	101	54630	20.491	ug/l	100
8) Diethyl Ether	2.130	74	18901	20.484	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	33538	20.615	ug/l	97
10) Methyl Iodide	2.453	142	34064	20.257	ug/l	96
11) Tert butyl alcohol	2.953	59	56543	97.807	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	33242	20.570	ug/l	96
13) Acrolein	2.233	56	43047	93.338	ug/l	98
14) Allyl chloride	2.666	41	67216	20.532	ug/l	98
15) Acrylonitrile	3.063	53	120460	104.100	ug/l	100
16) Acetone	2.374	43	210584	147.826	ug/l	96
17) Carbon Disulfide	2.508	76	95196	20.130	ug/l	99
18) Methyl Acetate	2.697	43	99718	20.026	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	120230	20.571	ug/l	100
20) Methylene Chloride	2.788	84	39020	20.332	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	36327	20.658	ug/l	94
22) Diisopropyl ether	3.758	45	124988	20.974	ug/l	96
23) Vinyl Acetate	3.715	43	477087	107.538	ug/l	98
24) 1,1-Dichloroethane	3.611	63	69897	20.749	ug/l	99
25) 2-Butanone	4.550	43	227648	114.593	ug/l	99
26) 2,2-Dichloropropane	4.471	77	59948	20.384	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	41439	21.350	ug/l	96
28) Bromochloromethane	4.898	49	34441	20.954	ug/l	92
29) Tetrahydrofuran	5.001	42	114751	104.597	ug/l	99
30) Chloroform	5.093	83	69609	20.678	ug/l	97
31) Cyclohexane	5.471	56	63444	21.337	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	60289	20.630	ug/l	98
36) 1,1-Dichloropropene	5.690	75	52102	20.475	ug/l	99
37) Ethyl Acetate	4.709	43	66440	21.134	ug/l	99
38) Carbon Tetrachloride	5.672	117	49093	20.217	ug/l	96
39) Methylcyclohexane	7.379	83	63230	20.687	ug/l	99
40) Benzene	6.038	78	149824	20.815	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	35517	21.175	ug/l	98
42) 1,2-Dichloroethane	6.086	62	60651	20.816	ug/l	99
43) Isopropyl Acetate	6.336	43	106806	20.893	ug/l	99
44) Trichloroethene	7.123	130	37201	20.481	ug/l	94
45) 1,2-Dichloropropane	7.428	63	39633	20.516	ug/l	100
46) Dibromomethane	7.580	93	27878	20.529	ug/l	97
47) Bromodichloromethane	7.818	83	54088	20.831	ug/l	97
48) Methyl methacrylate	7.690	41	62412	20.883	ug/l	96
49) 1,4-Dioxane	7.653	88	16187	401.805	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	345962	106.215	ug/l	100
52) Toluene	8.714	92	91746	21.118	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	59362	20.766	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	63622	20.685	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	37429	20.636	ug/l	95
56) Ethyl methacrylate	9.116	69	46794	21.134	ug/l	96
57) 1,3-Dichloropropane	9.305	76	65808	20.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	136170	104.736	ug/l	94
59) 2-Hexanone	9.427	43	321871	114.501	ug/l	98
60) Dibromochloromethane	9.519	129	38059	20.749	ug/l	100
61) 1,2-Dibromoethane	9.610	107	40614	20.976	ug/l	98
64) Tetrachloroethene	9.275	164	29040	20.993	ug/l	97
65) Chlorobenzene	10.080	112	96562	20.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	34116	20.903	ug/l	97
67) Ethyl Benzene	10.189	91	183718	21.361	ug/l	97
68) m/p-Xylenes	10.299	106	132898	43.096	ug/l	94
69) o-Xylene	10.640	106	62880	21.089	ug/l	91
70) Styrene	10.653	104	94137	21.597	ug/l	96
71) Bromoform	10.799	173	24983	20.594	ug/l #	96
73) Isopropylbenzene	10.964	105	172193	21.481	ug/l	100
74) N-amyl acetate	10.842	43	87458	21.564	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	64190	21.526	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	58087m	21.610	ug/l	
77) Bromobenzene	11.195	156	37498	21.154	ug/l	87
78) n-propylbenzene	11.305	91	211707	21.435	ug/l	96
79) 2-Chlorotoluene	11.360	91	125867	21.069	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	148975	21.816	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	19390	20.349	ug/l	96
82) 4-Chlorotoluene	11.451	91	150125	21.395	ug/l	97
83) tert-Butylbenzene	11.713	119	138460	21.305	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	149182	21.303	ug/l	100
85) sec-Butylbenzene	11.890	105	177347	21.445	ug/l	98
86) p-Isopropyltoluene	12.006	119	145674	20.989	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	72494	20.817	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	75534	20.831	ug/l	97
89) n-Butylbenzene	12.329	91	143979	21.103	ug/l	98
90) Hexachloroethane	12.536	117	25489	20.331	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	70895	21.276	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16294	20.745	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	45563	20.882	ug/l	99
94) Hexachlorobutadiene	13.719	225	16825	20.462	ug/l	96
95) Naphthalene	13.774	128	161447	21.247	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	44152	20.962	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TIC: VX039182.D\data.ms

Abundance

Time-->

Chemical compounds identified (from left to right):

- Dichlorodifluoromethane, T
- Chloroethane, T
- Trichlorofluoromethane, T
- Diethyl ether, T
- Acetone, T
- 1,1,2-Trichloroethane, T
- Methyl iodide, T
- Methyl acetate, T
- Methyl chloride, T
- Tert butyl alcohol, T
- Methyl isopropyl ether, T
- 1,1-Dichloroethane, P
- Diisopropyl ether, T
- Vinyl acetate, T
- 2,2-Dichloropropane, T
- Ethyl acetate, T
- Chloroform, C
- Carbon disulfide, T
- Pentachlorobenzene, I
- 1,2-Dichloroethane, T
- Isopropyl acetate, T
- 1,4-Difluorobenzene, I
- Trichloroethene, TM
- 1,2-Dichloropropane, T
- 1,4-Dioxane, T
- Bromodichloromethane, I
- cis-1,3-Dichloropropene, T
- 2-Chloroethyl vinyl ether, T
- 4-Methyl-2-pentanone, T
- Toluene, CM
- 1,3-Dichloropropene, T
- Ethyl methylphosphonate, T
- 1,3-Dichloropropane, T
- 1,2-Dichloroethane, I
- 1,2-Dichloropropane, T
- 1,1,1,2-Tetrachloroethane, P
- Ethyl benzene, C
- Chlorobenzene, P
- Styrene, T
- N-ethyl acetate, T
- trans-1,4-Dichlorobenzene, S
- 1,2-Dichlorobenzene, T
- 2-Chlorotoluene, T
- 4-Ethyltoluene, T
- 1,2,4-Trichlorobenzene, T
- sec-Butylbenzene, T
- 1,3-Dichlorobenzene, T
- 1,4-Dichlorobenzene, T
- 1,2-Dibutylbenzene, T
- Hexachloroethane, T
- 1,2-Dibromo-3-chloropropane, T
- Hexachlorobutadiene, T
- 1,2,4-Trichlorobenzene, T
- Naphthalene, T
- 1,2,3-Trichlorobenzene, T