

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039178.D
 Acq On : 12 Dec 2023 20:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2023
 Supervised By : Mahesh Dadoda 12/13/2023

Quant Time: Dec 13 04:21:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	114496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	212600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100796	54.634	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.260%			
35) Dibromofluoromethane	5.385	113	72927	47.496	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.000%			
50) Toluene-d8	8.647	98	260388	44.324	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 88.640%#			
62) 4-Bromofluorobenzene	11.079	95	110376	46.935	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	84490	63.243	ug/l	99
3) Chloromethane	1.294	50	93688	53.729	ug/l	99
4) Vinyl Chloride	1.374	62	87377	52.021	ug/l	100
5) Bromomethane	1.605	94	57741	83.144	ug/l	99
6) Chloroethane	1.685	64	50869	53.069	ug/l	99
7) Trichlorofluoromethane	1.886	101	131615	61.750	ug/l	100
8) Diethyl Ether	2.130	74	46126	49.687	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	79625	56.332	ug/l	96
10) Methyl Iodide	2.453	142	85597	49.754	ug/l	94
11) Tert butyl alcohol	2.953	59	133742	260.639	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	78743	55.179	ug/l	99
13) Acrolein	2.233	56	107183	394.811	ug/l	100
14) Allyl chloride	2.666	41	159239	55.733	ug/l	98
15) Acrylonitrile	3.062	53	293660	270.843	ug/l	99
16) Acetone	2.373	43	277684	282.737	ug/l	94
17) Carbon Disulfide	2.514	76	224417	50.768	ug/l	99
18) Methyl Acetate	2.697	43	273446	58.616	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	292231	58.222	ug/l	98
20) Methylene Chloride	2.788	84	93128	52.602	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	84820	53.868	ug/l	99
22) Diisopropyl ether	3.757	45	299617	57.162	ug/l	92
23) Vinyl Acetate	3.721	43	1107735	293.443	ug/l	99
24) 1,1-Dichloroethane	3.611	63	166372	56.760	ug/l	99
25) 2-Butanone	4.550	43	430788	270.485	ug/l	97
26) 2,2-Dichloropropane	4.477	77	135509	53.297	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	97785	53.277	ug/l	98
28) Bromochloromethane	4.897	49	68189	48.454	ug/l	95
29) Tetrahydrofuran	4.995	42	279226	276.121	ug/l	99
30) Chloroform	5.092	83	167722	58.600	ug/l	95
31) Cyclohexane	5.470	56	146674	55.683	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	147358	59.441	ug/l	98
36) 1,1-Dichloropropene	5.690	75	122478	55.655	ug/l	99
37) Ethyl Acetate	4.708	43	155374	54.192	ug/l	99
38) Carbon Tetrachloride	5.672	117	122654	60.305	ug/l	93
39) Methylcyclohexane	7.379	83	148597	51.767	ug/l	99
40) Benzene	6.037	78	355800	54.664	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	85542	57.526	ug/l	96
42) 1,2-Dichloroethane	6.086	62	144880	67.183	ug/l	100
43) Isopropyl Acetate	6.336	43	254517	55.546	ug/l	100
44) Trichloroethene	7.123	130	88039	55.569	ug/l	92
45) 1,2-Dichloropropane	7.427	63	97371	55.590	ug/l	98
46) Dibromomethane	7.580	93	68722	58.833	ug/l	93
47) Bromodichloromethane	7.818	83	132723	57.248	ug/l	95
48) Methyl methacrylate	7.690	41	153451	69.023	ug/l	95
49) 1,4-Dioxane	7.653	88	37008	860.448	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	825362	281.867	ug/l	99
52) Toluene	8.720	92	215617	53.383	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	146391	53.134	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	155976	54.808	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	90231	53.539	ug/l	94
56) Ethyl methacrylate	9.116	69	115678	40.567	ug/l	96
57) 1,3-Dichloropropane	9.305	76	155889	55.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	319696	240.670	ug/l	94
59) 2-Hexanone	9.427	43	661934	282.031	ug/l	98
60) Dibromochloromethane	9.519	129	94892	55.375	ug/l	100
61) 1,2-Dibromoethane	9.610	107	97096	54.904	ug/l	99
64) Tetrachloroethene	9.275	164	67526	55.148	ug/l	96
65) Chlorobenzene	10.079	112	225562	53.157	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	83925	54.982	ug/l	99
67) Ethyl Benzene	10.189	91	433856	55.650	ug/l	96
68) m/p-Xylenes	10.299	106	307669	104.327	ug/l	93
69) o-Xylene	10.640	106	150322	51.514	ug/l	92
70) Styrene	10.652	104	224041	45.461	ug/l	95
71) Bromoform	10.799	173	64071	50.352	ug/l #	100
73) Isopropylbenzene	10.963	105	407540	52.880	ug/l	100
74) N-amyl acetate	10.841	43	217123	53.295	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	153785	51.117	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	135311m	54.828	ug/l	
77) Bromobenzene	11.195	156	89827	51.872	ug/l	90
78) n-propylbenzene	11.305	91	497483	52.442	ug/l	97
79) 2-Chlorotoluene	11.360	91	298747	53.065	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	349330	53.908	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	48339	43.446	ug/l	97
82) 4-Chlorotoluene	11.451	91	351558	54.157	ug/l	97
83) tert-Butylbenzene	11.713	119	333084	52.191	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	356847	54.407	ug/l	99
85) sec-Butylbenzene	11.890	105	418632	50.148	ug/l	98
86) p-Isopropyltoluene	12.006	119	352246	52.564	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	172721	50.934	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	173905	50.106	ug/l	98
89) n-Butylbenzene	12.329	91	351752	52.026	ug/l	97
90) Hexachloroethane	12.536	117	66536	49.719	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	166421	51.742	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	42511	57.674	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	109684	50.890	ug/l	99
94) Hexachlorobutadiene	13.725	225	39730	52.053	ug/l	99
95) Naphthalene	13.774	128	404970	50.449	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	105914	51.838	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

