

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039220.D
 Acq On : 14 Dec 2023 19:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 03:06:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	118828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	222393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102375	47.029	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.060%		
35) Dibromofluoromethane	5.385	113	72144	46.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.920%		
50) Toluene-d8	8.647	98	269285	47.211	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.420%		
62) 4-Bromofluorobenzene	11.079	95	112575	47.835	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	87143	52.189	ug/l	99
3) Chloromethane	1.294	50	91604	49.486	ug/l	98
4) Vinyl Chloride	1.374	62	86514	50.252	ug/l	98
5) Bromomethane	1.599	94	47901	48.362	ug/l	93
6) Chloroethane	1.685	64	50685	48.854	ug/l	99
7) Trichlorofluoromethane	1.886	101	128151	50.835	ug/l	99
8) Diethyl Ether	2.130	74	44479	50.979	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	76798	49.922	ug/l	95
10) Methyl Iodide	2.453	142	79103	49.748	ug/l	95
11) Tert butyl alcohol	2.953	59	127521	233.281	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	77669	50.828	ug/l	98
13) Acrolein	2.233	56	97702	224.040	ug/l	99
14) Allyl chloride	2.660	41	154931	50.050	ug/l	97
15) Acrylonitrile	3.056	53	279120	255.097	ug/l	99
16) Acetone	2.374	43	235735	179.905	ug/l	95
17) Carbon Disulfide	2.508	76	218446	48.850	ug/l	100
18) Methyl Acetate	2.697	43	268843	57.099	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	279317	50.542	ug/l	99
20) Methylene Chloride	2.788	84	89134	49.119	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	82997	49.915	ug/l	97
22) Diisopropyl ether	3.757	45	290641	51.579	ug/l	89
23) Vinyl Acetate	3.715	43	1052309	250.849	ug/l	99
24) 1,1-Dichloroethane	3.605	63	160006	50.233	ug/l	99
25) 2-Butanone	4.550	43	399587	212.721	ug/l	99
26) 2,2-Dichloropropane	4.471	77	131068	47.132	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	94690	51.594	ug/l	97
28) Bromochloromethane	4.891	49	77197	49.670	ug/l	94
29) Tetrahydrofuran	4.995	42	267221	257.595	ug/l	99
30) Chloroform	5.086	83	160041	50.278	ug/l	99
31) Cyclohexane	5.464	56	142602	50.719	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	140830	50.964	ug/l	99
36) 1,1-Dichloropropene	5.690	75	120472	49.690	ug/l	99
37) Ethyl Acetate	4.708	43	150055	50.096	ug/l	99
38) Carbon Tetrachloride	5.672	117	113207	48.928	ug/l	98
39) Methylcyclohexane	7.379	83	145237	49.871	ug/l	98
40) Benzene	6.038	78	345676	50.403	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	81669	51.102	ug/l	97
42) 1,2-Dichloroethane	6.086	62	138053	49.728	ug/l	99
43) Isopropyl Acetate	6.336	43	243692	50.031	ug/l	100
44) Trichloroethene	7.123	130	85298	49.286	ug/l	95
45) 1,2-Dichloropropane	7.428	63	94022	51.082	ug/l	99
46) Dibromomethane	7.580	93	64713	50.015	ug/l	95
47) Bromodichloromethane	7.818	83	126659	51.198	ug/l	96
48) Methyl methacrylate	7.690	41	146068	51.296	ug/l	95
49) 1,4-Dioxane	7.653	88	41392	1078.365	ug/l #	100
51) 4-Methyl-2-Pentanone	8.568	43	791761	255.124	ug/l	99
52) Toluene	8.714	92	211849	51.179	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	142125	52.182	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	147555	50.350	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	86992	50.339	ug/l	96
56) Ethyl methacrylate	9.116	69	111491	52.849	ug/l	96
57) 1,3-Dichloropropane	9.305	76	150188	50.271	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	357060	288.242	ug/l	95
59) 2-Hexanone	9.427	43	629369	234.980	ug/l	98
60) Dibromochloromethane	9.519	129	90473	51.767	ug/l	100
61) 1,2-Dibromoethane	9.610	107	93652	50.765	ug/l	100
64) Tetrachloroethene	9.275	164	73162	53.969	ug/l	96
65) Chlorobenzene	10.079	112	221433	48.902	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	80656	50.427	ug/l	99
67) Ethyl Benzene	10.195	91	421843	50.048	ug/l	99
68) m/p-Xylenes	10.299	106	296762	98.197	ug/l	92
69) o-Xylene	10.640	106	145551	49.813	ug/l	91
70) Styrene	10.653	104	216567	50.698	ug/l	95
71) Bromoform	10.799	173	60677	51.037	ug/l #	100
73) Isopropylbenzene	10.963	105	398342	50.024	ug/l	99
74) N-amyl acetate	10.842	43	207693	51.551	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	142477	48.097	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	130487m	48.868	ug/l	
77) Bromobenzene	11.195	156	87467	49.672	ug/l	90
78) n-propylbenzene	11.305	91	489807	49.924	ug/l	96
79) 2-Chlorotoluene	11.360	91	288009	48.531	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	341269	50.308	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	45500	48.070	ug/l	96
82) 4-Chlorotoluene	11.451	91	340878	48.904	ug/l	96
83) tert-Butylbenzene	11.713	119	315663	48.895	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	343852	49.428	ug/l	99
85) sec-Butylbenzene	11.890	105	409539	49.851	ug/l	98
86) p-Isopropyltoluene	12.006	119	341000	49.460	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	167572	48.439	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	167763	46.575	ug/l	98
89) n-Butylbenzene	12.329	91	341375	50.369	ug/l	96
90) Hexachloroethane	12.536	117	62444	50.140	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	158958	48.023	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39856	51.081	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	104108	48.033	ug/l	99
94) Hexachlorobutadiene	13.725	225	38351	46.953	ug/l	97
95) Naphthalene	13.774	128	388489	51.468	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	101154	48.344	ug/l	98

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

