

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022023\
 Data File : VX034177.D
 Acq On : 20 Feb 2023 11:01
 Operator : JC/MD
 Sample : VX0220WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

Quant Time: Feb 21 01:04:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	409322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	696257	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	607298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	288553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	263891	47.871	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.740%		
35) Dibromofluoromethane	5.385	113	221766	48.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.840%		
50) Toluene-d8	8.647	98	825794	50.737	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.480%		
62) 4-Bromofluorobenzene	11.079	95	306637	49.253	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	66912	18.918	ug/l	97
3) Chloromethane	1.294	50	99918	19.631	ug/l	97
4) Vinyl Chloride	1.374	62	102387	22.088	ug/l	99
5) Bromomethane	1.611	94	45568	22.284	ug/l	98
6) Chloroethane	1.691	64	53431	22.928	ug/l	100
7) Trichlorofluoromethane	1.892	101	136956	21.839	ug/l	98
8) Diethyl Ether	2.136	74	54125	21.423	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	81771	18.515	ug/l	95
10) Methyl Iodide	2.453	142	104243	19.385	ug/l	93
11) Tert butyl alcohol	2.959	59	109951	89.176	ug/l #	84
12) 1,1-Dichloroethene	2.325	96	84836	19.162	ug/l	92
13) Acrolein	2.233	56	49480	87.914	ug/l	97
14) Allyl chloride	2.666	41	171128	18.222	ug/l	88
15) Acrylonitrile	3.062	53	264336	98.276	ug/l	99
16) Acetone	2.380	43	228247	80.265	ug/l	92
17) Carbon Disulfide	2.514	76	238643	18.748	ug/l	100
18) Methyl Acetate	2.703	43	174086	19.785	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	305389	19.544	ug/l	99
20) Methylene Chloride	2.788	84	95128	18.566	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	90915	19.597	ug/l	94
22) Diisopropyl ether	3.757	45	343833	20.884	ug/l	99
23) Vinyl Acetate	3.721	43	1361127	103.186	ug/l	100
24) 1,1-Dichloroethane	3.611	63	173068	19.148	ug/l	99
25) 2-Butanone	4.550	43	377514	91.751	ug/l	99
26) 2,2-Dichloropropane	4.477	77	151726	18.530	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	107120	19.499	ug/l	95
28) Bromochloromethane	4.897	49	81343	20.174	ug/l	87
29) Tetrahydrofuran	5.001	42	247454	98.585	ug/l	98
30) Chloroform	5.092	83	170460	19.640	ug/l	99
31) Cyclohexane	5.470	56	158115	19.211	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	149468	19.211	ug/l	99
36) 1,1-Dichloropropene	5.696	75	126736	18.904	ug/l	98
37) Ethyl Acetate	4.708	43	146561	19.560	ug/l	100
38) Carbon Tetrachloride	5.678	117	128140	18.574	ug/l	98
39) Methylcyclohexane	7.379	83	159355	18.470	ug/l	96
40) Benzene	6.037	78	386922	19.475	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	82706	19.812	ug/l	99
42) 1,2-Dichloroethane	6.086	62	132014	18.892	ug/l	100
43) Isopropyl Acetate	6.336	43	259709	19.642	ug/l	99
44) Trichloroethene	7.123	130	99497	19.515	ug/l	92
45) 1,2-Dichloropropane	7.427	63	104897	19.833	ug/l	95
46) Dibromomethane	7.580	93	66970	19.240	ug/l	89
47) Bromodichloromethane	7.824	83	135556	18.976	ug/l	96
48) Methyl methacrylate	7.690	41	121599	19.376	ug/l	99
49) 1,4-Dioxane	7.671	88	45949	367.078	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	753528	103.584	ug/l	98
52) Toluene	8.720	92	237451	19.724	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	159877	19.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	171092	19.436	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	98374	20.245	ug/l	98
56) Ethyl methacrylate	9.116	69	163174	19.850	ug/l	98
57) 1,3-Dichloropropane	9.305	76	169144	20.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	348634	97.905	ug/l	95
59) 2-Hexanone	9.427	43	558168	100.680	ug/l	99
60) Dibromochloromethane	9.518	129	105818	19.708	ug/l	100
61) 1,2-Dibromoethane	9.610	107	102450	19.935	ug/l	98
64) Tetrachloroethene	9.275	164	82643	19.281	ug/l	91
65) Chlorobenzene	10.079	112	249428	19.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	95891	19.567	ug/l	97
67) Ethyl Benzene	10.195	91	448392	19.716	ug/l	100
68) m/p-Xylenes	10.299	106	350740	40.299	ug/l	98
69) o-Xylene	10.640	106	171674	19.813	ug/l	95
70) Styrene	10.652	104	285083	20.230	ug/l	96
71) Bromoform	10.799	173	77466	19.366	ug/l #	99
73) Isopropylbenzene	10.963	105	435830	19.818	ug/l	100
74) N-amyl acetate	10.841	43	215204	19.479	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	148857	19.790	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	140677m	19.375	ug/l	
77) Bromobenzene	11.195	156	105082	19.856	ug/l	86
78) n-propylbenzene	11.305	91	507505	19.843	ug/l	98
79) 2-Chlorotoluene	11.366	91	303882	19.377	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	365535	19.770	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	51982	18.392	ug/l	91
82) 4-Chlorotoluene	11.457	91	350911	19.645	ug/l	96
83) tert-Butylbenzene	11.713	119	372770	19.685	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	366070	19.582	ug/l	97
85) sec-Butylbenzene	11.890	105	451988	19.655	ug/l	98
86) p-Isopropyltoluene	12.012	119	373939	19.649	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	194466	19.593	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	196545	19.633	ug/l	97
89) n-Butylbenzene	12.335	91	328923	19.405	ug/l	98
90) Hexachloroethane	12.536	117	75967	19.091	ug/l	79
91) 1,2-Dichlorobenzene	12.335	146	191173	19.687	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32882	18.332	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	119617	19.186	ug/l	97
94) Hexachlorobutadiene	13.725	225	49107	19.000	ug/l	97
95) Naphthalene	13.774	128	416253	19.819	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	121052	19.558	ug/l	99

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

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