

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027553.D
 Acq On : 19 Mar 2022 12:21
 Operator : JC/MD
 Sample : VX0319WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 21 01:20:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	363193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	551526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	493262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	242209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	190671	42.616	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.240%		
35) Dibromofluoromethane	5.391	113	179344	50.542	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.080%		
50) Toluene-d8	8.653	98	669438	49.855	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.720%		
62) 4-Bromofluorobenzene	11.085	95	239362	48.499	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67341	19.317	ug/l	98
3) Chloromethane	1.294	50	57658	18.631	ug/l	100
4) Vinyl Chloride	1.374	62	68857	19.257	ug/l	99
5) Bromomethane	1.599	94	39232	17.937	ug/l	98
6) Chloroethane	1.678	64	41453	18.892	ug/l	98
7) Trichlorofluoromethane	1.886	101	105040	17.796	ug/l	96
8) Diethyl Ether	2.136	74	37679	17.137	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	66517	18.924	ug/l	94
10) Methyl Iodide	2.453	142	63968	13.748	ug/l	99
11) Tert butyl alcohol	2.965	59	69019	80.943	ug/l	100
12) 1,1-Dichloroethene	2.319	96	62429	18.511	ug/l	92
13) Acrolein	2.239	56	50202	75.869	ug/l	96
14) Allyl chloride	2.660	41	90077	17.068	ug/l	97
15) Acrylonitrile	3.068	53	184985	95.424	ug/l	100
16) Acetone	2.380	43	144212	79.076	ug/l	97
17) Carbon Disulfide	2.508	76	157289	18.329	ug/l	100
18) Methyl Acetate	2.703	43	77156	17.653	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	194957	17.134	ug/l	99
20) Methylene Chloride	2.788	84	70869	18.074	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	67087	18.648	ug/l	94
22) Diisopropyl ether	3.770	45	184058	17.859	ug/l	99
23) Vinyl Acetate	3.727	43	775163	86.488	ug/l	98
24) 1,1-Dichloroethane	3.611	63	113751	18.147	ug/l	99
25) 2-Butanone	4.562	43	237572	86.585	ug/l	96
26) 2,2-Dichloropropane	4.477	77	83047	16.224	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	78526	18.822	ug/l	93
28) Bromochloromethane	4.897	49	47436	18.760	ug/l	89
29) Tetrahydrofuran	5.013	42	159600	90.673	ug/l	96
30) Chloroform	5.099	83	123300	17.832	ug/l	100
31) Cyclohexane	5.477	56	103704	18.666	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	104665	16.626	ug/l	97
36) 1,1-Dichloropropene	5.690	75	89694	18.497	ug/l	97
37) Ethyl Acetate	4.721	43	87657	18.141	ug/l	98
38) Carbon Tetrachloride	5.678	117	99558	17.946	ug/l	99
39) Methylcyclohexane	7.385	83	116843	19.161	ug/l	97
40) Benzene	6.044	78	276465	19.873	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	48810	18.522	ug/l	98
42) 1,2-Dichloroethane	6.092	62	90472	17.352	ug/l	98
43) Isopropyl Acetate	6.342	43	135262	17.394	ug/l	100
44) Trichloroethene	7.129	130	80232	18.998	ug/l	98
45) 1,2-Dichloropropane	7.434	63	67817	19.139	ug/l	98
46) Dibromomethane	7.580	93	50257	18.567	ug/l	96
47) Bromodichloromethane	7.824	83	92032	18.057	ug/l	98
48) Methyl methacrylate	7.696	41	66471	17.272	ug/l	96
49) 1,4-Dioxane	7.665	88	37936	383.784	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	485137	97.728	ug/l	95
52) Toluene	8.720	92	175587	18.835	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	94322	18.031	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	108261	19.016	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	72890	19.203	ug/l	96
56) Ethyl methacrylate	9.116	69	104768	18.448	ug/l	90
57) 1,3-Dichloropropane	9.311	76	119672	19.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	289059	99.805	ug/l	97
59) 2-Hexanone	9.433	43	371657	97.208	ug/l	91
60) Dibromochloromethane	9.525	129	79752	19.086	ug/l	94
61) 1,2-Dibromoethane	9.610	107	77913	18.675	ug/l	99
64) Tetrachloroethene	9.275	164	74701	19.478	ug/l	95
65) Chlorobenzene	10.079	112	196886	19.404	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	72729	19.211	ug/l	98
67) Ethyl Benzene	10.195	91	336795	19.392	ug/l	99
68) m/p-Xylenes	10.305	106	266758	39.008	ug/l	99
69) o-Xylene	10.646	106	127400	19.187	ug/l	99
70) Styrene	10.659	104	214788	19.802	ug/l	99
71) Bromoform	10.805	173	56379	18.641	ug/l #	99
73) Isopropylbenzene	10.963	105	341705	19.369	ug/l	100
74) N-amyl acetate	10.848	43	115294	18.431	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	109379	19.573	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	99125m	19.566	ug/l	
77) Bromobenzene	11.201	156	85337	19.191	ug/l	95
78) n-propylbenzene	11.305	91	382918	19.772	ug/l	98
79) 2-Chlorotoluene	11.366	91	233715	19.238	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	292237	19.682	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28227	16.921	ug/l #	86
82) 4-Chlorotoluene	11.457	91	264087	19.092	ug/l	97
83) tert-Butylbenzene	11.719	119	286688	19.490	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	288983	19.515	ug/l	100
85) sec-Butylbenzene	11.890	105	350123	19.697	ug/l	99
86) p-Isopropyltoluene	12.012	119	301213	19.729	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	157197	19.079	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	157800	18.928	ug/l	98
89) n-Butylbenzene	12.335	91	244584	19.196	ug/l	97
90) Hexachloroethane	12.542	117	45415	18.652	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	156664	19.474	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23592	18.407	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	96234	18.663	ug/l	99
94) Hexachlorobutadiene	13.725	225	42863	18.818	ug/l	95
95) Naphthalene	13.780	128	323210	19.255	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	97302	18.655	ug/l	95

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

