

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025814.D
 Acq On : 15 Dec 2021 15:05
 Operator : JC/MD
 Sample : VX1216WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 16 07:29:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	110291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183263	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79526	50.114	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.220%			
35) Dibromofluoromethane	5.385	113	66588	52.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.200%			
50) Toluene-d8	8.647	98	242286	52.029	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.060%			
62) 4-Bromofluorobenzene	11.079	95	89889	50.815	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24335	24.671	ug/l	99
3) Chloromethane	1.294	50	28052	21.841	ug/l	99
4) Vinyl Chloride	1.374	62	28384	20.776	ug/l	97
5) Bromomethane	1.599	94	20493	21.008	ug/l	98
6) Chloroethane	1.685	64	20465	20.682	ug/l	94
7) Trichlorofluoromethane	1.886	101	46585	20.643	ug/l	99
8) Diethyl Ether	2.136	74	17752	19.942	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	25796	21.967	ug/l	98
10) Methyl Iodide	2.453	142	30355	20.287	ug/l	100
11) Tert butyl alcohol	2.965	59	29062	91.297	ug/l	99
12) 1,1-Dichloroethene	2.319	96	23593	20.207	ug/l	95
13) Acrolein	2.239	56	18028	82.856	ug/l	98
14) Allyl chloride	2.666	41	40391	18.955	ug/l	100
15) Acrylonitrile	3.062	53	74602	100.390	ug/l	99
16) Acetone	2.380	43	79273	103.138	ug/l	100
17) Carbon Disulfide	2.508	76	59222	17.708	ug/l	100
18) Methyl Acetate	2.703	43	48825	20.187	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	83319	20.204	ug/l	97
20) Methylene Chloride	2.788	84	28735	19.705	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	26406	20.265	ug/l	97
22) Diisopropyl ether	3.764	45	84809	20.518	ug/l	94
23) Vinyl Acetate	3.721	43	331603	103.670	ug/l	99
24) 1,1-Dichloroethane	3.611	63	47535	20.141	ug/l	97
25) 2-Butanone	4.556	43	112162	105.089	ug/l	98
26) 2,2-Dichloropropane	4.477	77	32242	18.011	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	31450	20.355	ug/l	97
28) Bromochloromethane	4.897	49	19587	18.416	ug/l	99
29) Tetrahydrofuran	5.007	42	68176	100.467	ug/l	99
30) Chloroform	5.093	83	51436	19.871	ug/l	92
31) Cyclohexane	5.464	56	42824	22.191	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	43787	19.436	ug/l	98
36) 1,1-Dichloropropene	5.690	75	36877	21.276	ug/l	99
37) Ethyl Acetate	4.715	43	41982	21.801	ug/l	99
38) Carbon Tetrachloride	5.678	117	38783	19.231	ug/l	98
39) Methylcyclohexane	7.379	83	45500	23.461	ug/l	97
40) Benzene	6.037	78	109657	21.209	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21289	19.976	ug/l	96
42) 1,2-Dichloroethane	6.092	62	41527	21.133	ug/l	99
43) Isopropyl Acetate	6.342	43	61697	19.886	ug/l	99
44) Trichloroethene	7.123	130	31849	22.126	ug/l	96
45) 1,2-Dichloropropane	7.434	63	27848	21.370	ug/l	90
46) Dibromomethane	7.580	93	21204	20.900	ug/l	96
47) Bromodichloromethane	7.824	83	39089	19.549	ug/l	97
48) Methyl methacrylate	7.696	41	29632	20.282	ug/l	97
49) 1,4-Dioxane	7.659	88	13867	434.770	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	211671	104.223	ug/l	100
52) Toluene	8.720	92	71384	21.669	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	35421	18.585	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	41100	19.708	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	30306	21.452	ug/l	96
56) Ethyl methacrylate	9.116	69	41664	20.535	ug/l	99
57) 1,3-Dichloropropane	9.311	76	48916	21.109	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	87433	98.345	ug/l	100
59) 2-Hexanone	9.433	43	163971	106.558	ug/l	100
60) Dibromochloromethane	9.525	129	29441	18.361	ug/l	98
61) 1,2-Dibromoethane	9.610	107	31310	20.440	ug/l	100
64) Tetrachloroethene	9.275	164	31736	22.844	ug/l	97
65) Chlorobenzene	10.079	112	77747	21.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	27915	19.691	ug/l	98
67) Ethyl Benzene	10.195	91	134278	21.873	ug/l	99
68) m/p-Xylenes	10.305	106	106739	44.682	ug/l	99
69) o-Xylene	10.640	106	52197	22.211	ug/l	98
70) Styrene	10.659	104	85854	21.955	ug/l	100
71) Bromoform	10.799	173	20354	17.429	ug/l #	98
73) Isopropylbenzene	10.963	105	137433	22.211	ug/l	100
74) N-amyl acetate	10.848	43	49415	19.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	44945	20.841	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	39387m	20.164	ug/l	
77) Bromobenzene	11.201	156	33682	21.222	ug/l	99
78) n-propylbenzene	11.305	91	156103	22.304	ug/l	100
79) 2-Chlorotoluene	11.366	91	94591	21.253	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	116727	22.746	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	9061	14.381	ug/l #	81
82) 4-Chlorotoluene	11.457	91	107373	21.545	ug/l	100
83) tert-Butylbenzene	11.719	119	110180	21.904	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	115570	22.544	ug/l	99
85) sec-Butylbenzene	11.890	105	140691	23.270	ug/l	100
86) p-Isopropyltoluene	12.012	119	117300	23.102	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	63876	21.600	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	65005	21.530	ug/l	99
89) n-Butylbenzene	12.335	91	96351	22.748	ug/l	99
90) Hexachloroethane	12.542	117	16639	16.674	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	62529	22.141	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8299	17.125	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	34751	22.415	ug/l	99
94) Hexachlorobutadiene	13.725	225	14845	24.712	ug/l	97
95) Naphthalene	13.780	128	112056	20.725	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	35254	22.668	ug/l	99

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

