

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025516.D
 Acq On : 04 Dec 2021 13:00
 Operator : JC/MD
 Sample : VX1204WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/06/2021
 Supervised By : Mahesh Dadoda 12/06/2021

Quant Time: Dec 06 01:01:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	77991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	120750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46059	56.028	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.060%			
35) Dibromofluoromethane	5.385	113	40346	54.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.920%			
50) Toluene-d8	8.647	98	144530	51.884	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.760%			
62) 4-Bromofluorobenzene	11.079	95	54522	51.737	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	14095	20.849	ug/l	98
3) Chloromethane	1.294	50	14651	17.502	ug/l	100
4) Vinyl Chloride	1.374	62	15900	17.300	ug/l	100
5) Bromomethane	1.599	94	10227	25.883	ug/l	98
6) Chloroethane	1.685	64	10645	16.787	ug/l	97
7) Trichlorofluoromethane	1.886	101	25857	18.955	ug/l	96
8) Diethyl Ether	2.136	74	10699	19.005	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	15317	21.103	ug/l	99
10) Methyl Iodide	2.453	142	15322	16.883	ug/l	95
11) Tert butyl alcohol	2.965	59	19872	92.074	ug/l	96
12) 1,1-Dichloroethene	2.319	96	13849	19.159	ug/l	92
13) Acrolein	2.233	56	3463	91.951	ug/l	99
14) Allyl chloride	2.666	41	23453	17.927	ug/l	97
15) Acrylonitrile	3.062	53	44787	101.524	ug/l	99
16) Acetone	2.380	43	45333	99.241	ug/l	96
17) Carbon Disulfide	2.514	76	30088	14.796	ug/l	100
18) Methyl Acetate	2.703	43	28574	19.578	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	52622	20.893	ug/l	99
20) Methylene Chloride	2.788	84	16785	19.547	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	15409	19.459	ug/l	87
22) Diisopropyl ether	3.764	45	50758	20.373	ug/l	98
23) Vinyl Acetate	3.721	43	199644	99.761	ug/l	97
24) 1,1-Dichloroethane	3.605	63	27699	20.347	ug/l	97
25) 2-Butanone	4.556	43	64593	97.805	ug/l	99
26) 2,2-Dichloropropane	4.477	77	23080	18.701	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	18967	20.510	ug/l	90
28) Bromochloromethane	4.897	49	12994	20.470	ug/l	94
29) Tetrahydrofuran	5.007	42	39497	96.588	ug/l	97
30) Chloroform	5.099	83	29894	21.101	ug/l	96
31) Cyclohexane	5.471	56	24145	19.006	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	25781	19.877	ug/l	98
36) 1,1-Dichloropropene	5.696	75	20560	19.516	ug/l	97
37) Ethyl Acetate	4.715	43	24725	20.628	ug/l	99
38) Carbon Tetrachloride	5.678	117	23128	19.932	ug/l	97
39) Methylcyclohexane	7.379	83	26384	19.525	ug/l	93
40) Benzene	6.037	78	63206	19.805	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	12836	19.294	ug/l	96
42) 1,2-Dichloroethane	6.086	62	22793	21.950	ug/l	93
43) Isopropyl Acetate	6.342	43	38948	19.525	ug/l	99
44) Trichloroethene	7.129	130	18493	19.947	ug/l	87
45) 1,2-Dichloropropane	7.434	63	16073	20.506	ug/l	93
46) Dibromomethane	7.586	93	11969	21.035	ug/l	95
47) Bromodichloromethane	7.824	83	21937	19.618	ug/l	99
48) Methyl methacrylate	7.696	41	18130	19.366	ug/l	96
49) 1,4-Dioxane	7.659	88	7978	403.543	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	125276	100.155	ug/l	99
52) Toluene	8.720	92	41310	19.827	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	22559	18.142	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	25337	18.797	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	17637	21.298	ug/l	97
56) Ethyl methacrylate	9.116	69	26303	19.573	ug/l	96
57) 1,3-Dichloropropane	9.311	76	29128	21.222	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	63597	101.719	ug/l	94
59) 2-Hexanone	9.433	43	95192	96.533	ug/l	97
60) Dibromochloromethane	9.525	129	17944	18.827	ug/l	99
61) 1,2-Dibromoethane	9.610	107	18538	20.669	ug/l	98
64) Tetrachloroethene	9.275	164	18546	20.136	ug/l	93
65) Chlorobenzene	10.079	112	46382	20.378	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	16930	19.396	ug/l	97
67) Ethyl Benzene	10.195	91	79730	20.270	ug/l	96
68) m/p-Xylenes	10.305	106	64166	39.938	ug/l	93
69) o-Xylene	10.646	106	31448	19.999	ug/l	94
70) Styrene	10.659	104	52223	20.103	ug/l	97
71) Bromoform	10.799	173	12973	17.119	ug/l #	98
73) Isopropylbenzene	10.963	105	81966	20.671	ug/l	98
74) N-amyl acetate	10.842	43	31731	18.501	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	26480	20.646	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	20961m	18.398	ug/l	
77) Bromobenzene	11.201	156	20993	20.587	ug/l	93
78) n-propylbenzene	11.305	91	92883	20.868	ug/l	98
79) 2-Chlorotoluene	11.366	91	56242	20.756	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	67840	20.354	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	6572	14.531	ug/l	92
82) 4-Chlorotoluene	11.457	91	63596	20.560	ug/l	95
83) tert-Butylbenzene	11.713	119	70024	20.673	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	68514	20.798	ug/l	96
85) sec-Butylbenzene	11.890	105	85861	20.850	ug/l	97
86) p-Isopropyltoluene	12.012	119	72805	20.577	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	39961	21.051	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	39326	20.445	ug/l	97
89) n-Butylbenzene	12.335	91	59008	19.787	ug/l	97
90) Hexachloroethane	12.542	117	10771	16.520	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	39063	21.116	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5091	19.003	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	22789	20.929	ug/l	98
94) Hexachlorobutadiene	13.725	225	10962	20.967	ug/l	99
95) Naphthalene	13.780	128	73817	19.434	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	22932	21.529	ug/l	98

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

