

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011122\
 Data File : VX026424.D
 Acq On : 11 Jan 2022 16:59
 Operator : JC/MD
 Sample : VX0111WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 06:46:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	111925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183371	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75806	48.485	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.960%		
35) Dibromofluoromethane	5.385	113	57620	48.659	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.320%		
50) Toluene-d8	8.647	98	207713	48.677	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.360%		
62) 4-Bromofluorobenzene	11.079	95	75219	49.621	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	25543	19.327	ug/l	99
3) Chloromethane	1.294	50	23133	19.093	ug/l	99
4) Vinyl Chloride	1.380	62	24636	19.367	ug/l	97
5) Bromomethane	1.618	94	12624	21.513	ug/l	98
6) Chloroethane	1.691	64	13225	20.560	ug/l	99
7) Trichlorofluoromethane	1.892	101	39083	19.460	ug/l	99
8) Diethyl Ether	2.136	74	14445	20.326	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	24487	20.007	ug/l	98
10) Methyl Iodide	2.459	142	23137	20.445	ug/l	100
11) Tert butyl alcohol	3.008	59	25606m	117.728	ug/l	
12) 1,1-Dichloroethene	2.325	96	23020	19.694	ug/l	98
13) Acrolein	2.239	56	23849	103.190	ug/l	99
14) Allyl chloride	2.666	41	42519	19.780	ug/l	99
15) Acrylonitrile	3.068	53	66699	99.620	ug/l	99
16) Acetone	2.392	43	73798	92.557	ug/l	100
17) Carbon Disulfide	2.514	76	64632	18.939	ug/l	98
18) Methyl Acetate	2.709	43	31632	19.956	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	86009	20.279	ug/l	98
20) Methylene Chloride	2.794	84	25756	19.551	ug/l	100
21) trans-1,2-Dichloroethene	3.099	96	24891	19.670	ug/l	97
22) Diisopropyl ether	3.763	45	88621	20.296	ug/l	96
23) Vinyl Acetate	3.721	43	376292	104.692	ug/l	99
24) 1,1-Dichloroethane	3.611	63	47212	20.021	ug/l	99
25) 2-Butanone	4.562	43	101039	97.443	ug/l	99
26) 2,2-Dichloropropane	4.477	77	34655	19.826	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	29273	20.269	ug/l	99
28) Bromochloromethane	4.897	49	18290	18.889	ug/l	98
29) Tetrahydrofuran	5.013	42	62295	101.155	ug/l	99
30) Chloroform	5.093	83	48493	19.791	ug/l	96
31) Cyclohexane	5.470	56	44953	19.493	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	42867	19.890	ug/l	98
36) 1,1-Dichloropropene	5.696	75	37050	19.820	ug/l	100
37) Ethyl Acetate	4.715	43	38293	20.250	ug/l	100
38) Carbon Tetrachloride	5.678	117	37954	19.738	ug/l	97
39) Methylcyclohexane	7.385	83	45755	20.292	ug/l	99
40) Benzene	6.044	78	103011	19.937	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21345	19.926	ug/l	98
42) 1,2-Dichloroethane	6.086	62	40847	20.206	ug/l	100
43) Isopropyl Acetate	6.342	43	64134	20.996	ug/l	100
44) Trichloroethene	7.123	130	29333	20.007	ug/l	96
45) 1,2-Dichloropropane	7.434	63	26303	20.394	ug/l	98
46) Dibromomethane	7.580	93	18216	20.036	ug/l	98
47) Bromodichloromethane	7.824	83	37315	20.313	ug/l	100
48) Methyl methacrylate	7.696	41	30944	20.441	ug/l	99
49) 1,4-Dioxane	7.702	88	10737	432.202	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	190241	105.001	ug/l	99
52) Toluene	8.720	92	64102	20.231	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	35450	19.253	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	39821	20.183	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	25136	20.329	ug/l	99
56) Ethyl methacrylate	9.116	69	39968	21.092	ug/l	99
57) 1,3-Dichloropropane	9.311	76	43882	20.470	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	93820	94.423	ug/l	100
59) 2-Hexanone	9.433	43	145072	104.617	ug/l	99
60) Dibromochloromethane	9.525	129	26838	20.829	ug/l	98
61) 1,2-Dibromoethane	9.610	107	26449	20.528	ug/l	100
64) Tetrachloroethene	9.275	164	29758	20.132	ug/l	97
65) Chlorobenzene	10.079	112	66603	20.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	25240	20.615	ug/l	97
67) Ethyl Benzene	10.195	91	122053	20.383	ug/l	100
68) m/p-Xylenes	10.305	106	90591	40.427	ug/l	99
69) o-Xylene	10.640	106	44539	20.598	ug/l	99
70) Styrene	10.659	104	72752	20.620	ug/l	99
71) Bromoform	10.799	173	16585	19.150	ug/l #	99
73) Isopropylbenzene	10.963	105	118354	20.385	ug/l	100
74) N-amyl acetate	10.841	43	47331	21.116	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	32458	20.828	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32531m	20.859	ug/l	
77) Bromobenzene	11.201	156	26800	20.149	ug/l	99
78) n-propylbenzene	11.305	91	134744	20.352	ug/l	100
79) 2-Chlorotoluene	11.366	91	80838	20.135	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	98952	20.673	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8220	19.946	ug/l	93
82) 4-Chlorotoluene	11.457	91	92362	20.016	ug/l	99
83) tert-Butylbenzene	11.713	119	92523	20.706	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	97544	20.375	ug/l	100
85) sec-Butylbenzene	11.890	105	120585	20.863	ug/l	99
86) p-Isopropyltoluene	12.012	119	101202	20.870	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	50158	20.118	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	49933	19.787	ug/l	97
89) n-Butylbenzene	12.335	91	85753	20.608	ug/l	100
90) Hexachloroethane	12.542	117	14051	18.785	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	48274	20.489	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7441	19.756	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	30077	19.912	ug/l	99
94) Hexachlorobutadiene	13.725	225	13049	20.464	ug/l	99
95) Naphthalene	13.774	128	105485	20.936	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	30431	20.485	ug/l	99

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

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