

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
 Data File : VX032165.D
 Acq On : 17 Oct 2022 19:46
 Operator : JC/MD
 Sample : VX1017WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

Quant Time: Oct 18 04:23:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 04:18:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	127393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103991	51.253	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.391	113	75884	51.499	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.000%			
50) Toluene-d8	8.653	98	247145	47.819	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.640%			
62) 4-Bromofluorobenzene	11.079	95	109071	55.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28832	20.555	ug/l	96
3) Chloromethane	1.288	50	27359	20.201	ug/l	98
4) Vinyl Chloride	1.374	62	31298	20.739	ug/l	99
5) Bromomethane	1.611	94	23568	21.098	ug/l	94
6) Chloroethane	1.685	64	21054	18.792	ug/l	97
7) Trichlorofluoromethane	1.886	101	46811	19.880	ug/l	98
8) Diethyl Ether	2.130	74	15993	20.546	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	28326	25.453	ug/l	94
10) Methyl Iodide	2.453	142	29922	22.178	ug/l	96
11) Tert butyl alcohol	2.995	59	29220	104.708	ug/l	100
12) 1,1-Dichloroethene	2.319	96	25262	24.296	ug/l	97
13) Acrolein	2.239	56	24026	102.286	ug/l	98
14) Allyl chloride	2.660	41	42247	22.992	ug/l	95
15) Acrylonitrile	3.068	53	73985	110.441	ug/l	99
16) Acetone	2.386	43	67068	137.475	ug/l	98
17) Carbon Disulfide	2.508	76	60448	23.169	ug/l	99
18) Methyl Acetate	2.703	43	45674	22.989	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	93167	21.587	ug/l	97
20) Methylene Chloride	2.788	84	30377	20.252	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	28688	20.364	ug/l	99
22) Diisopropyl ether	3.763	45	92133	20.183	ug/l	95
23) Vinyl Acetate	3.721	43	368982	103.472	ug/l	99
24) 1,1-Dichloroethane	3.611	63	53372	20.060	ug/l	98
25) 2-Butanone	4.562	43	104975	100.707	ug/l	99
26) 2,2-Dichloropropane	4.483	77	40278	19.235	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	33321	19.665	ug/l	97
28) Bromochloromethane	4.897	49	20658	19.003	ug/l	96
29) Tetrahydrofuran	5.007	42	67808	108.476	ug/l	99
30) Chloroform	5.099	83	60282	20.703	ug/l	94
31) Cyclohexane	5.470	56	46106	20.390	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	53279	21.226	ug/l	98
36) 1,1-Dichloropropene	5.696	75	43405	20.361	ug/l	99
37) Ethyl Acetate	4.721	43	42829	20.020	ug/l	99
38) Carbon Tetrachloride	5.678	117	46625	20.652	ug/l	96
39) Methylcyclohexane	7.385	83	50269	19.648	ug/l	97
40) Benzene	6.044	78	120573	20.221	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22740	20.615	ug/l	97
42) 1,2-Dichloroethane	6.086	62	51776	20.731	ug/l	98
43) Isopropyl Acetate	6.342	43	67809	21.034	ug/l	99
44) Trichloroethene	7.129	130	33376	19.865	ug/l	93
45) 1,2-Dichloropropane	7.434	63	29322	19.738	ug/l	100
46) Dibromomethane	7.580	93	23638	20.713	ug/l	97
47) Bromodichloromethane	7.818	83	34816	16.377	ug/l	95
48) Methyl methacrylate	7.696	41	33829	20.706	ug/l	96
49) 1,4-Dioxane	7.690	88	14255	425.536	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	175217	88.635	ug/l	98
52) Toluene	8.720	92	74628	19.643	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	39788	20.982	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	37260	16.732	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	32774	22.725	ug/l	97
56) Ethyl methacrylate	9.116	69	47011	22.824	ug/l	98
57) 1,3-Dichloropropane	9.311	76	53809	21.280	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	83797	82.119	ug/l	95
59) 2-Hexanone	9.433	43	165259	112.842	ug/l	100
60) Dibromochloromethane	9.525	129	32093	21.510	ug/l	99
61) 1,2-Dibromoethane	9.610	107	34414	22.095	ug/l	99
64) Tetrachloroethene	9.275	164	32266	19.754	ug/l	96
65) Chlorobenzene	10.079	112	86499	20.030	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	31300	20.916	ug/l	100
67) Ethyl Benzene	10.195	91	156077	20.564	ug/l	97
68) m/p-Xylenes	10.305	106	119638	41.107	ug/l	94
69) o-Xylene	10.640	106	58193	20.320	ug/l	95
70) Styrene	10.659	104	96474	20.846	ug/l	98
71) Bromoform	10.799	173	20752	19.715	ug/l #	99
73) Isopropylbenzene	10.963	105	157832	21.122	ug/l	97
74) N-amyl acetate	10.841	43	56702	21.675	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	48191	20.117	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	45278m	21.130	ug/l	
77) Bromobenzene	11.201	156	36294	19.953	ug/l	95
78) n-propylbenzene	11.305	91	183884	20.536	ug/l	98
79) 2-Chlorotoluene	11.366	91	110206	19.924	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	135516	20.547	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	11069	19.886	ug/l #	79
82) 4-Chlorotoluene	11.457	91	129911	20.155	ug/l	97
83) tert-Butylbenzene	11.713	119	131288	20.235	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	135490	20.415	ug/l	98
85) sec-Butylbenzene	11.890	105	165017	20.322	ug/l	98
86) p-Isopropyltoluene	12.012	119	138508	20.491	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	69039	19.639	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	71147	19.818	ug/l	97
89) n-Butylbenzene	12.335	91	120372	21.599	ug/l	98
90) Hexachloroethane	12.542	117	20578	21.938	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	70732	21.056	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10541	20.227	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	33591	18.004	ug/l	97
94) Hexachlorobutadiene	13.725	225	14207	18.169	ug/l	97
95) Naphthalene	13.774	128	120190	19.277	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	32998	17.667	ug/l	99

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

