

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032943.D
 Acq On : 21 Nov 2022 11:37
 Operator : JC/MD
 Sample : VX1121WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2022
 Supervised By : Mahesh Dadoda 11/25/2022

Quant Time: Nov 22 05:10:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	140935	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63314	50.100	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.200%			
35) Dibromofluoromethane	5.385	113	54143	53.857	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.720%			
50) Toluene-d8	8.647	98	169975	48.625	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.240%			
62) 4-Bromofluorobenzene	11.079	95	69829	51.139	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	15459	14.737	ug/l	94
3) Chloromethane	1.294	50	13121	14.791	ug/l	99
4) Vinyl Chloride	1.374	62	15905	16.291	ug/l	100
5) Bromomethane	1.618	94	13632	17.472	ug/l	98
6) Chloroethane	1.691	64	14026	21.414	ug/l	98
7) Trichlorofluoromethane	1.892	101	33454	18.084	ug/l	98
8) Diethyl Ether	2.130	74	11086	18.492	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	18812	19.267	ug/l	98
10) Methyl Iodide	2.453	142	18095	17.939	ug/l	98
11) Tert butyl alcohol	2.989	59	13186	71.688	ug/l	100
12) 1,1-Dichloroethene	2.319	96	15982	17.522	ug/l	92
13) Acrolein	2.239	56	18520	100.858	ug/l	98
14) Allyl chloride	2.666	41	25922	17.828	ug/l	98
15) Acrylonitrile	3.062	53	42574	85.286	ug/l	98
16) Acetone	2.386	43	49368	107.483	ug/l	94
17) Carbon Disulfide	2.514	76	31119	14.324	ug/l	98
18) Methyl Acetate	2.703	43	28490	19.074	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	62386	19.460	ug/l	100
20) Methylene Chloride	2.794	84	19610	18.621	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	17063	17.186	ug/l	97
22) Diisopropyl ether	3.757	45	61845	19.665	ug/l #	86
23) Vinyl Acetate	3.721	43	225622	88.797	ug/l	100
24) 1,1-Dichloroethane	3.611	63	35329	19.530	ug/l	99
25) 2-Butanone	4.562	43	61744	86.767	ug/l	96
26) 2,2-Dichloropropane	4.477	77	29038	20.193	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	22348	19.473	ug/l	99
28) Bromochloromethane	4.897	49	11579	17.970	ug/l	97
29) Tetrahydrofuran	5.007	42	35204	77.582	ug/l	100
30) Chloroform	5.093	83	40663	20.485	ug/l	100
31) Cyclohexane	5.471	56	25097	16.379	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	35387	19.866	ug/l	99
36) 1,1-Dichloropropene	5.690	75	25315	18.083	ug/l	99
37) Ethyl Acetate	4.715	43	24372	16.725	ug/l	97
38) Carbon Tetrachloride	5.678	117	30585	19.698	ug/l	94
39) Methylcyclohexane	7.379	83	28027	16.921	ug/l	98
40) Benzene	6.037	78	76138	19.219	ug/l	99

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41) Methacrylonitrile	4.922	41	13477	18.155	ug/l	97
42) 1,2-Dichloroethane	6.086	62	34007	21.000	ug/l	99
43) Isopropyl Acetate	6.336	43	40342	18.031	ug/l	99
44) Trichloroethene	7.129	130	21617	19.384	ug/l	93
45) 1,2-Dichloropropane	7.434	63	20857	20.510	ug/l	99
46) Dibromomethane	7.586	93	15710	20.144	ug/l	98
47) Bromodichloromethane	7.824	83	31582	21.366	ug/l	99
48) Methyl methacrylate	7.696	41	20599	17.826	ug/l	99
49) 1,4-Dioxane	7.696	88	6831	310.197	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	123832	87.869	ug/l	100
52) Toluene	8.720	92	49812	19.272	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	30315	20.101	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	32416	20.096	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	21670	19.908	ug/l	98
56) Ethyl methacrylate	9.116	69	28956	18.485	ug/l	98
57) 1,3-Dichloropropane	9.311	76	35523	20.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	74839	99.223	ug/l	100
59) 2-Hexanone	9.427	43	94634	90.498	ug/l	99
60) Dibromochloromethane	9.519	129	24798	20.858	ug/l	100
61) 1,2-Dibromoethane	9.610	107	22127	19.185	ug/l	99
64) Tetrachloroethene	9.275	164	19152	20.770	ug/l	96
65) Chlorobenzene	10.079	112	57027	20.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	22382	21.073	ug/l	98
67) Ethyl Benzene	10.195	91	100206	19.857	ug/l	99
68) m/p-Xylenes	10.299	106	76910	39.248	ug/l	99
69) o-Xylene	10.640	106	37745	19.811	ug/l	100
70) Styrene	10.659	104	63666	20.107	ug/l	99
71) Bromoform	10.799	173	16921	20.150	ug/l #	98
73) Isopropylbenzene	10.963	105	103162	19.389	ug/l	99
74) N-amyl acetate	10.842	43	34481	17.152	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	32406	18.975	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	28240m	18.905	ug/l	
77) Bromobenzene	11.201	156	25228	19.341	ug/l	97
78) n-propylbenzene	11.305	91	118300	19.298	ug/l	99
79) 2-Chlorotoluene	11.366	91	71916	19.589	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	88967	19.565	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7591	16.170	ug/l	89
82) 4-Chlorotoluene	11.457	91	82868	19.291	ug/l	99
83) tert-Butylbenzene	11.713	119	89167	19.641	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	88852	19.645	ug/l	98
85) sec-Butylbenzene	11.890	105	106244	19.449	ug/l	100
86) p-Isopropyltoluene	12.012	119	89205	19.245	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	48379	19.662	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	48633	19.052	ug/l	99
89) n-Butylbenzene	12.335	91	74890	18.571	ug/l	99
90) Hexachloroethane	12.536	117	14865	19.633	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	48662	20.057	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6175	16.491	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	29633	18.732	ug/l	98
94) Hexachlorobutadiene	13.725	225	13599	20.583	ug/l	97
95) Naphthalene	13.774	128	92786	17.603	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	30670	19.072	ug/l	99

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

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