

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110822\
 Data File : VX032645.D
 Acq On : 08 Nov 2022 11:44
 Operator : JC/MD
 Sample : VX1108WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/09/2022
 Supervised By : Mahesh Dadoda 11/09/2022

Quant Time: Nov 09 04:35:56 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	5.556	168	109430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170138	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77770	51.148	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.300%			
35) Dibromofluoromethane	5.391	113	62911	51.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	8.653	98	211773	50.183	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	83853	50.868	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22948	18.182	ug/l	98
3) Chloromethane	1.294	50	19487	18.257	ug/l	96
4) Vinyl Chloride	1.373	62	22200	18.899	ug/l	99
5) Bromomethane	1.617	94	20700	22.051	ug/l	97
6) Chloroethane	1.690	64	15552	19.735	ug/l	97
7) Trichlorofluoromethane	1.892	101	43846	19.699	ug/l	100
8) Diethyl Ether	2.136	74	14181	19.660	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	22869	19.467	ug/l	98
10) Methyl Iodide	2.453	142	21345	17.626	ug/l	99
11) Tert butyl alcohol	2.983	59	19328	87.335	ug/l	99
12) 1,1-Dichloroethene	2.318	96	20714	18.875	ug/l	92
13) Acrolein	2.239	56	15165	68.641	ug/l	99
14) Allyl chloride	2.666	41	33519	19.160	ug/l	98
15) Acrylonitrile	3.068	53	55971	93.190	ug/l	99
16) Acetone	2.386	43	54136	97.960	ug/l	98
17) Carbon Disulfide	2.514	76	43149	16.507	ug/l	99
18) Methyl Acetate	2.703	43	37016	20.598	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	75422	19.554	ug/l	99
20) Methylene Chloride	2.794	84	24009	18.948	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	22187	18.573	ug/l	95
22) Diisopropyl ether	3.757	45	73754	19.491	ug/l #	81
23) Vinyl Acetate	3.721	43	288125	94.247	ug/l	99
24) 1,1-Dichloroethane	3.611	63	42724	19.630	ug/l	97
25) 2-Butanone	4.562	43	78820	92.060	ug/l	100
26) 2,2-Dichloropropane	4.483	77	34904	20.174	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	27060	19.598	ug/l	98
28) Bromochloromethane	4.897	49	15689	20.237	ug/l	97
29) Tetrahydrofuran	5.013	42	48848	89.472	ug/l	100
30) Chloroform	5.098	83	47493	19.886	ug/l	97
31) Cyclohexane	5.470	56	34202	18.552	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	42058	19.624	ug/l	98
36) 1,1-Dichloropropene	5.696	75	32287	19.105	ug/l	99
37) Ethyl Acetate	4.714	43	31503	17.908	ug/l	97
38) Carbon Tetrachloride	5.684	117	36583	19.517	ug/l	97
39) Methylcyclohexane	7.378	83	37253	18.631	ug/l	97
40) Benzene	6.037	78	94906	19.845	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17359	19.371	ug/l	99
42) 1,2-Dichloroethane	6.086	62	39789	20.353	ug/l	100
43) Isopropyl Acetate	6.342	43	52757	19.532	ug/l	99
44) Trichloroethene	7.129	130	26569	19.735	ug/l	96
45) 1,2-Dichloropropane	7.433	63	24648	20.077	ug/l	99
46) Dibromomethane	7.586	93	18721	19.884	ug/l	98
47) Bromodichloromethane	7.824	83	35322	19.795	ug/l	95
48) Methyl methacrylate	7.689	41	26509	19.003	ug/l	99
49) 1,4-Dioxane	7.683	88	9574	360.134	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	164654	96.781	ug/l	99
52) Toluene	8.720	92	60879	19.511	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	36496	20.046	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	38371	19.705	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	26301	20.015	ug/l	99
56) Ethyl methacrylate	9.116	69	36672	19.393	ug/l	96
57) 1,3-Dichloropropane	9.311	76	42068	19.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	96775	106.283	ug/l	99
59) 2-Hexanone	9.433	43	122629	97.141	ug/l	99
60) Dibromochloromethane	9.524	129	27392	19.085	ug/l	99
61) 1,2-Dibromoethane	9.610	107	27387	19.670	ug/l	97
64) Tetrachloroethene	9.274	164	22697	20.192	ug/l	98
65) Chlorobenzene	10.079	112	69310	20.147	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	26352	20.353	ug/l	98
67) Ethyl Benzene	10.195	91	123006	19.995	ug/l	99
68) m/p-Xylenes	10.299	106	94233	39.447	ug/l	99
69) o-Xylene	10.640	106	46640	20.081	ug/l	98
70) Styrene	10.658	104	75850	19.650	ug/l	99
71) Bromoform	10.799	173	19062	18.621	ug/l #	99
73) Isopropylbenzene	10.963	105	123991	19.510	ug/l	100
74) N-amyl acetate	10.841	43	47021	19.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39296	19.263	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	34575m	19.378	ug/l	
77) Bromobenzene	11.201	156	31022	19.911	ug/l	97
78) n-propylbenzene	11.305	91	142576	19.472	ug/l	99
79) 2-Chlorotoluene	11.366	91	85387	19.472	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	106668	19.638	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9897	17.650	ug/l	93
82) 4-Chlorotoluene	11.457	91	98118	19.122	ug/l	99
83) tert-Butylbenzene	11.713	119	107900	19.898	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	106510	19.716	ug/l	99
85) sec-Butylbenzene	11.890	105	127350	19.517	ug/l	100
86) p-Isopropyltoluene	12.012	119	108448	19.587	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	56887	19.356	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	58244	19.102	ug/l	99
89) n-Butylbenzene	12.335	91	91000	18.892	ug/l	99
90) Hexachloroethane	12.536	117	17299	19.128	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	57350	19.790	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8421	18.827	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	35120	18.586	ug/l	99
94) Hexachlorobutadiene	13.725	225	15020	19.033	ug/l	98
95) Naphthalene	13.774	128	117226	18.618	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	36061	18.774	ug/l	98

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

