

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033179.D
 Acq On : 02 Dec 2022 12:43
 Operator : JC/MD
 Sample : VX1202WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1202WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 03 04:31:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	129254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63140	49.991	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.980%		
35) Dibromofluoromethane	5.385	113	53064	46.332	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.660%		
50) Toluene-d8	8.647	98	154855	44.709	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.420%#		
62) 4-Bromofluorobenzene	11.079	95	69301	46.063	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15746	15.946	ug/l	98
3) Chloromethane	1.294	50	17267	16.197	ug/l	93
4) Vinyl Chloride	1.374	62	20818	17.538	ug/l	97
5) Bromomethane	1.617	94	14715	16.718	ug/l	100
6) Chloroethane	1.691	64	17275	17.877	ug/l	99
7) Trichlorofluoromethane	1.892	101	43361	18.822	ug/l	98
8) Diethyl Ether	2.136	74	14754	20.342	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	23411	19.334	ug/l	99
10) Methyl Iodide	2.453	142	19928	14.376	ug/l	98
11) Tert butyl alcohol	2.995	59	22954m	115.037	ug/l	
12) 1,1-Dichloroethene	2.325	96	21091	18.698	ug/l	98
13) Acrolein	2.239	56	21578	94.147	ug/l	99
14) Allyl chloride	2.666	41	34671	19.039	ug/l	98
15) Acrylonitrile	3.068	53	56917	100.849	ug/l	97
16) Acetone	2.392	43	56386	95.918	ug/l	99
17) Carbon Disulfide	2.514	76	49293	15.818	ug/l	100
18) Methyl Acetate	2.703	43	33187	20.394	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	79152	20.234	ug/l	100
20) Methylene Chloride	2.788	84	24785	19.470	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	23363	18.107	ug/l	96
22) Diisopropyl ether	3.757	45	78360	19.762	ug/l	89
23) Vinyl Acetate	3.721	43	305344	98.375	ug/l	100
24) 1,1-Dichloroethane	3.611	63	44633	19.670	ug/l	98
25) 2-Butanone	4.562	43	80224	98.968	ug/l	100
26) 2,2-Dichloropropane	4.471	77	35223	19.306	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	28792	19.640	ug/l	98
28) Bromochloromethane	4.897	49	19613	19.671	ug/l	97
29) Tetrahydrofuran	5.013	42	50755	98.676	ug/l	99
30) Chloroform	5.092	83	50052	19.695	ug/l	96
31) Cyclohexane	5.470	56	37049	18.165	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	44460	19.535	ug/l	100
36) 1,1-Dichloropropene	5.690	75	34046	18.591	ug/l	98
37) Ethyl Acetate	4.714	43	31078	19.452	ug/l	99
38) Carbon Tetrachloride	5.678	117	39088	19.241	ug/l	96
39) Methylcyclohexane	7.379	83	38767	18.553	ug/l	95
40) Benzene	6.037	78	98202	19.126	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18417	20.486	ug/l	97
42) 1,2-Dichloroethane	6.086	62	42075	20.352	ug/l	100
43) Isopropyl Acetate	6.342	43	53319	20.179	ug/l	100
44) Trichloroethene	7.129	130	27994	19.430	ug/l	100
45) 1,2-Dichloropropane	7.427	63	25346	19.975	ug/l	100
46) Dibromomethane	7.580	93	19813	20.011	ug/l	99
47) Bromodichloromethane	7.824	83	38650	20.202	ug/l	97
48) Methyl methacrylate	7.689	41	27274	20.053	ug/l	99
49) 1,4-Dioxane	7.702	88	11719	468.083	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	166248	101.964	ug/l	99
52) Toluene	8.720	92	64790	19.180	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	37471	19.192	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	41338	20.043	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	27347	19.884	ug/l	97
56) Ethyl methacrylate	9.116	69	38731	20.440	ug/l	98
57) 1,3-Dichloropropane	9.311	76	45242	20.377	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	90774	100.880	ug/l	99
59) 2-Hexanone	9.433	43	123658	102.668	ug/l	99
60) Dibromochloromethane	9.518	129	29267	19.766	ug/l	100
61) 1,2-Dibromoethane	9.610	107	28424	19.581	ug/l	98
64) Tetrachloroethene	9.275	164	24061	18.491	ug/l	97
65) Chlorobenzene	10.079	112	71885	19.613	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	27233	20.279	ug/l	99
67) Ethyl Benzene	10.195	91	128163	19.713	ug/l	99
68) m/p-Xylenes	10.305	106	99080	38.917	ug/l	100
69) o-Xylene	10.640	106	48615	19.735	ug/l	98
70) Styrene	10.652	104	80146	19.887	ug/l	99
71) Bromoform	10.799	173	19976	19.401	ug/l #	97
73) Isopropylbenzene	10.963	105	129083	19.402	ug/l	99
74) N-amyl acetate	10.841	43	44981	19.875	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	40332	20.086	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	36284m	20.578	ug/l	
77) Bromobenzene	11.195	156	32150	19.649	ug/l	98
78) n-propylbenzene	11.305	91	147979	19.454	ug/l	100
79) 2-Chlorotoluene	11.366	91	88951	19.254	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	109440	19.581	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10110	18.638	ug/l	93
82) 4-Chlorotoluene	11.457	91	104430	19.289	ug/l	99
83) tert-Butylbenzene	11.713	119	109122	19.614	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	110094	19.755	ug/l	99
85) sec-Butylbenzene	11.890	105	131484	19.755	ug/l	100
86) p-Isopropyltoluene	12.012	119	112299	19.914	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59283	19.317	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	60045	19.104	ug/l	99
89) n-Butylbenzene	12.335	91	94886	19.532	ug/l	99
90) Hexachloroethane	12.536	117	17605	19.002	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	58370	19.552	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8316	20.757	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	35773	19.439	ug/l	97
94) Hexachlorobutadiene	13.725	225	15426	19.000	ug/l	100
95) Naphthalene	13.774	128	118450	19.896	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	35611	19.297	ug/l	99

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

