

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022322\
 Data File : VX027146.D
 Acq On : 23 Feb 2022 15:24
 Operator : JC/MD
 Sample : VX0223WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0223WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 03:31:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	78917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44608	47.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.120%		
35) Dibromofluoromethane	5.391	113	36991	47.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.980%		
50) Toluene-d8	8.653	98	138715	48.125	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.240%		
62) 4-Bromofluorobenzene	11.079	95	52651	47.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	14230	18.140	ug/l	98
3) Chloromethane	1.294	50	13889	18.941	ug/l	100
4) Vinyl Chloride	1.374	62	12746	17.451	ug/l	100
5) Bromomethane	1.605	94	8296	25.528	ug/l	99
6) Chloroethane	1.685	64	7912	17.640	ug/l	97
7) Trichlorofluoromethane	1.892	101	20338	17.903	ug/l	99
8) Diethyl Ether	2.136	74	7297	18.454	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	14938	18.876	ug/l	97
10) Methyl Iodide	2.453	142	18191	17.118	ug/l	96
11) Tert butyl alcohol	2.965	59	18045	97.853	ug/l	97
12) 1,1-Dichloroethene	2.319	96	14031	18.263	ug/l	90
13) Acrolein	2.239	56	15584	91.429	ug/l	97
14) Allyl chloride	2.666	41	25118	18.569	ug/l	95
15) Acrylonitrile	3.068	53	47506	100.393	ug/l	99
16) Acetone	2.386	43	42394	101.875	ug/l	93
17) Carbon Disulfide	2.514	76	35684	17.862	ug/l	99
18) Methyl Acetate	2.709	43	21034	19.583	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	50270	19.069	ug/l	99
20) Methylene Chloride	2.794	84	16346	18.951	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	15460	18.869	ug/l	93
22) Diisopropyl ether	3.763	45	50553	19.170	ug/l	98
23) Vinyl Acetate	3.727	43	219132	98.405	ug/l	97
24) 1,1-Dichloroethane	3.617	63	27557	18.485	ug/l	99
25) 2-Butanone	4.562	43	66281	100.014	ug/l	96
26) 2,2-Dichloropropane	4.483	77	19934	18.433	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	17960	18.901	ug/l	94
28) Bromochloromethane	4.904	49	10523	17.449	ug/l	91
29) Tetrahydrofuran	5.013	42	44273	99.815	ug/l	98
30) Chloroform	5.099	83	28501	18.407	ug/l	98
31) Cyclohexane	5.470	56	26338	18.555	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	24794	18.498	ug/l	99
36) 1,1-Dichloropropene	5.696	75	21282	18.917	ug/l	97
37) Ethyl Acetate	4.715	43	24726	20.017	ug/l	97
38) Carbon Tetrachloride	5.678	117	22070	18.809	ug/l	94
39) Methylcyclohexane	7.385	83	27269	19.485	ug/l	94
40) Benzene	6.044	78	63316	19.245	ug/l	98

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41) Methacrylonitrile	4.922	41	13702	20.221	ug/l	96
42) 1,2-Dichloroethane	6.092	62	22943	19.657	ug/l	98
43) Isopropyl Acetate	6.342	43	37948	19.970	ug/l	98
44) Trichloroethene	7.129	130	18742	19.043	ug/l	96
45) 1,2-Dichloropropane	7.434	63	15887	19.763	ug/l	98
46) Dibromomethane	7.586	93	11240	19.467	ug/l	93
47) Bromodichloromethane	7.824	83	21534	19.108	ug/l	98
48) Methyl methacrylate	7.696	41	18605	20.227	ug/l	95
49) 1,4-Dioxane	7.659	88	8810	423.686	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	127324	103.090	ug/l	98
52) Toluene	8.720	92	40856	19.393	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	21483	18.817	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	24754	19.678	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	16774	20.103	ug/l	97
56) Ethyl methacrylate	9.116	69	25360	19.521	ug/l	94
57) 1,3-Dichloropropane	9.311	76	28267	20.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	65035	103.858	ug/l	97
59) 2-Hexanone	9.433	43	97775	103.579	ug/l	96
60) Dibromochloromethane	9.525	129	16632	19.214	ug/l	98
61) 1,2-Dibromoethane	9.610	107	17584	19.788	ug/l	99
64) Tetrachloroethene	9.275	164	19148	18.418	ug/l	95
65) Chlorobenzene	10.079	112	44364	18.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	16206	19.078	ug/l	98
67) Ethyl Benzene	10.195	91	78751	19.151	ug/l	100
68) m/p-Xylenes	10.305	106	62320	39.423	ug/l	95
69) o-Xylene	10.640	106	30030	18.928	ug/l	97
70) Styrene	10.659	104	50293	19.372	ug/l	97
71) Bromoform	10.799	173	11706	18.202	ug/l #	99
73) Isopropylbenzene	10.963	105	79584	20.141	ug/l	99
74) N-amyl acetate	10.841	43	30745	20.450	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	24303	20.824	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	23152m	20.815	ug/l	
77) Bromobenzene	11.201	156	19309	19.592	ug/l	94
78) n-propylbenzene	11.305	91	89223	19.867	ug/l	99
79) 2-Chlorotoluene	11.366	91	55336	20.107	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	67149	20.210	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6216	19.713	ug/l	96
82) 4-Chlorotoluene	11.457	91	63068	20.061	ug/l	98
83) tert-Butylbenzene	11.713	119	64419	19.939	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	67287	20.360	ug/l	98
85) sec-Butylbenzene	11.890	105	81815	20.196	ug/l	98
86) p-Isopropyltoluene	12.012	119	70157	20.315	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	36450	19.654	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	36944	19.483	ug/l	100
89) n-Butylbenzene	12.335	91	56965	19.735	ug/l	99
90) Hexachloroethane	12.536	117	9990	18.675	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	35517	19.628	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5362	19.789	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	22855	20.015	ug/l	99
94) Hexachlorobutadiene	13.725	225	9321	19.662	ug/l	99
95) Naphthalene	13.780	128	79401	20.463	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	22699	19.832	ug/l	99

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

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