

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031422\
 Data File : VX027424.D
 Acq On : 14 Mar 2022 16:24
 Operator : JC/MD
 Sample : VX0314WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 15 06:04:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	270122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	421392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	458745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	197924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177710	56.415	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.840%			
35) Dibromofluoromethane	5.391	113	144450	53.125	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.240%			
50) Toluene-d8	8.653	98	600321	58.481	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 116.960%			
62) 4-Bromofluorobenzene	11.085	95	200724	51.304	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	56823	20.522	ug/l	98
3) Chloromethane	1.294	50	49899	17.138	ug/l	99
4) Vinyl Chloride	1.374	62	55323	18.487	ug/l	100
5) Bromomethane	1.599	94	38459	29.691	ug/l	97
6) Chloroethane	1.685	64	36911	20.057	ug/l	98
7) Trichlorofluoromethane	1.886	101	96070	23.053	ug/l	97
8) Diethyl Ether	2.136	74	36248	22.323	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	54635	20.053	ug/l	96
10) Methyl Iodide	2.453	142	59462	15.462	ug/l	93
11) Tert butyl alcohol	2.965	59	62316	100.911	ug/l	99
12) 1,1-Dichloroethene	2.319	96	49059	18.731	ug/l	99
13) Acrolein	2.233	56	30436	70.313	ug/l	97
14) Allyl chloride	2.666	41	80011	19.476	ug/l	91
15) Acrylonitrile	3.069	53	153673	94.557	ug/l	98
16) Acetone	2.380	43	141141	114.039	ug/l	91
17) Carbon Disulfide	2.514	76	116211	16.331	ug/l	100
18) Methyl Acetate	2.703	43	68998	19.926	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	173346	19.976	ug/l	99
20) Methylene Chloride	2.788	84	58083	18.874	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	52616	18.074	ug/l	97
22) Diisopropyl ether	3.764	45	166008	20.213	ug/l #	83
23) Vinyl Acetate	3.727	43	722419	105.146	ug/l	94
24) 1,1-Dichloroethane	3.611	63	98528	19.757	ug/l	98
25) 2-Butanone	4.556	43	216323	99.697	ug/l	92
26) 2,2-Dichloropropane	4.477	77	75959	21.244	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	63017	18.657	ug/l	99
28) Bromochloromethane	4.904	49	46852	22.580	ug/l	100
29) Tetrahydrofuran	5.007	42	138438	96.425	ug/l	92
30) Chloroform	5.093	83	109111	20.730	ug/l	96
31) Cyclohexane	5.471	56	82645	18.757	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	95963	21.332	ug/l	100
36) 1,1-Dichloropropene	5.696	75	75745	20.064	ug/l	99
37) Ethyl Acetate	4.721	43	81974	20.599	ug/l	98
38) Carbon Tetrachloride	5.684	117	85892	22.003	ug/l	97
39) Methylcyclohexane	7.385	83	89810	18.839	ug/l	96
40) Benzene	6.044	78	220012	19.134	ug/l	98

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41) Methacrylonitrile	4.922	41	44475	20.729	ug/l	92
42) 1,2-Dichloroethane	6.092	62	87919	23.407	ug/l	95
43) Isopropyl Acetate	6.348	43	126258	21.047	ug/l	95
44) Trichloroethene	7.129	130	62483	19.785	ug/l	98
45) 1,2-Dichloropropane	7.434	63	56952	19.768	ug/l	97
46) Dibromomethane	7.586	93	42788	20.874	ug/l	98
47) Bromodichloromethane	7.824	83	88605	23.407	ug/l	99
48) Methyl methacrylate	7.696	41	64103	21.489	ug/l	86
49) 1,4-Dioxane	7.659	88	31005	396.910	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	443466	110.419	ug/l	98
52) Toluene	8.720	92	170488	23.259	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	86892	22.372	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	99403	22.800	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	72525	23.708	ug/l	98
56) Ethyl methacrylate	9.116	69	100463	22.265	ug/l	96
57) 1,3-Dichloropropane	9.311	76	113836	23.052	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	248305	108.993	ug/l	98
59) 2-Hexanone	9.433	43	349242	112.573	ug/l	94
60) Dibromochloromethane	9.525	129	75214	24.090	ug/l	95
61) 1,2-Dibromoethane	9.610	107	75029	23.750	ug/l	99
64) Tetrachloroethene	9.275	164	68071	21.174	ug/l	97
65) Chlorobenzene	10.079	112	190632	19.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	69109	20.481	ug/l	100
67) Ethyl Benzene	10.195	91	326874	19.639	ug/l	97
68) m/p-Xylenes	10.305	106	261974	40.128	ug/l	99
69) o-Xylene	10.646	106	125049	19.401	ug/l	99
70) Styrene	10.659	104	202835	18.958	ug/l	98
71) Bromoform	10.805	173	53274	19.332	ug/l #	99
73) Isopropylbenzene	10.963	105	292412	20.201	ug/l	98
74) N-amyl acetate	10.848	43	109027	20.608	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	98277	19.757	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	78332m	18.039	ug/l	
77) Bromobenzene	11.201	156	74228	20.321	ug/l	95
78) n-propylbenzene	11.305	91	322501	19.806	ug/l	98
79) 2-Chlorotoluene	11.366	91	200448	19.697	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	251617	20.275	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25060	18.664	ug/l #	80
82) 4-Chlorotoluene	11.457	91	230635	20.034	ug/l	99
83) tert-Butylbenzene	11.719	119	246828	19.898	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	253420	20.589	ug/l	98
85) sec-Butylbenzene	11.890	105	298980	19.983	ug/l	100
86) p-Isopropyltoluene	12.012	119	253918	20.046	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	133799	19.497	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	134593	19.371	ug/l	98
89) n-Butylbenzene	12.335	91	209129	19.710	ug/l	97
90) Hexachloroethane	12.542	117	38959	19.733	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	135358	20.005	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21747	20.866	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	81289	18.303	ug/l	99
94) Hexachlorobutadiene	13.725	225	37643	19.329	ug/l	93
95) Naphthalene	13.780	128	280203	18.793	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82464	18.580	ug/l	95

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

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