

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032622\
 Data File : VX027723.D
 Acq On : 26 Mar 2022 13:41
 Operator : JC/MD
 Sample : VX0326WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 28 05:15:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 16:26:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	61861	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	103512	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	92028	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	53581	52.810	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.620%			
35) Dibromofluoromethane	5.385	113	36452	53.625	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.260%			
50) Toluene-d8	8.647	98	132840	50.554	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.100%			
62) 4-Bromofluorobenzene	11.085	95	52105	48.868	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	12022	16.754	ug/l	98
3) Chloromethane	1.295	50	13132	17.662	ug/l	98
4) Vinyl Chloride	1.374	62	12786	17.904	ug/l	97
5) Bromomethane	1.599	94	5308	18.513	ug/l	99
6) Chloroethane	1.673	64	8111	17.698	ug/l	98
7) Trichlorofluoromethane	1.880	101	19700	18.687	ug/l	98
8) Diethyl Ether	2.136	74	7706	20.255	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	13679	19.403	ug/l	93
10) Methyl Iodide	2.447	142	14228	21.015	ug/l	# 88
11) Tert butyl alcohol	2.971	59	21269	112.589	ug/l	99
12) 1,1-Dichloroethene	2.313	96	12390	18.855	ug/l	# 77
13) Acrolein	2.233	56	10969	82.954	ug/l	94
14) Allyl chloride	2.666	41	26376	21.218	ug/l	# 88
15) Acrylonitrile	3.069	53	50861	109.939	ug/l	98
16) Acetone	2.386	43	43590	101.585	ug/l	90
17) Carbon Disulfide	2.508	76	30952	17.557	ug/l	100
18) Methyl Acetate	2.703	43	24502	22.328	ug/l	# 88
19) Methyl tert-butyl Ether	3.117	73	52853	21.910	ug/l	97
20) Methylene Chloride	2.788	84	16010	20.913	ug/l	# 79
21) trans-1,2-Dichloroethene	3.087	96	13965	19.107	ug/l	# 82
22) Diisopropyl ether	3.764	45	54872	22.154	ug/l	# 86
23) Vinyl Acetate	3.721	43	245060	113.148	ug/l	# 90
24) 1,1-Dichloroethane	3.611	63	28904	20.595	ug/l	96
25) 2-Butanone	4.562	43	67957	98.614	ug/l	91
26) 2,2-Dichloropropane	4.483	77	20641	19.234	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	16859	20.709	ug/l	92
28) Bromochloromethane	4.898	49	11964	21.372	ug/l	# 77
29) Tetrahydrofuran	5.013	42	42733	111.002	ug/l	88
30) Chloroform	5.093	83	29535	21.001	ug/l	96
31) Cyclohexane	5.471	56	24079	19.572	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	25299	20.241	ug/l	96
36) 1,1-Dichloropropene	5.690	75	21821	20.324	ug/l	94
37) Ethyl Acetate	4.721	43	26390	21.117	ug/l	98
38) Carbon Tetrachloride	5.678	117	21069	20.081	ug/l	97
39) Methylcyclohexane	7.379	83	25658	20.775	ug/l	92
40) Benzene	6.038	78	61433	20.713	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	14414	22.019	ug/l #	86
42) 1,2-Dichloroethane	6.092	62	25626	20.324	ug/l	93
43) Isopropyl Acetate	6.342	43	39185	20.761	ug/l #	92
44) Trichloroethene	7.129	130	14993	19.538	ug/l	87
45) 1,2-Dichloropropane	7.428	63	16644	21.383	ug/l	91
46) Dibromomethane	7.586	93	11533	20.705	ug/l #	86
47) Bromodichloromethane	7.824	83	21786	19.972	ug/l	98
48) Methyl methacrylate	7.696	41	20010	21.837	ug/l #	84
49) 1,4-Dioxane	7.665	88	8234	413.536	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	139716	107.832	ug/l	88
52) Toluene	8.720	92	37619	20.289	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	22481	19.629	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	24613	20.467	ug/l #	78
55) 1,1,2-Trichloroethane	9.153	97	16208	21.516	ug/l	99
56) Ethyl methacrylate	9.116	69	26137	21.228	ug/l #	78
57) 1,3-Dichloropropane	9.311	76	28813	21.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	61867	98.145	ug/l	92
59) 2-Hexanone	9.433	43	97537	96.331	ug/l	85
60) Dibromochloromethane	9.519	129	14438	19.814	ug/l	99
61) 1,2-Dibromoethane	9.610	107	16096	20.010	ug/l	97
64) Tetrachloroethene	9.275	164	14297	21.934	ug/l	93
65) Chlorobenzene	10.080	112	37985	19.591	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	14065	21.107	ug/l	99
67) Ethyl Benzene	10.195	91	73632	20.390	ug/l	95
68) m/p-Xylenes	10.305	106	53167	40.619	ug/l	91
69) o-Xylene	10.647	106	27833	21.161	ug/l	95
70) Styrene	10.659	104	43851	20.972	ug/l #	91
71) Bromoform	10.799	173	9828	20.357	ug/l #	97
73) Isopropylbenzene	10.964	105	71842	20.657	ug/l	97
74) N-amyl acetate	10.848	43	33213	19.897	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	24797	20.235	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	24284m	20.598	ug/l	
77) Bromobenzene	11.201	156	15686	20.414	ug/l	80
78) n-propylbenzene	11.305	91	84341	20.439	ug/l	96
79) 2-Chlorotoluene	11.366	91	51967	19.977	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	61954	20.726	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	6200	17.901	ug/l #	74
82) 4-Chlorotoluene	11.457	91	61632	20.595	ug/l	93
83) tert-Butylbenzene	11.713	119	56289	20.498	ug/l	84
84) 1,2,4-Trimethylbenzene	11.756	105	62390	20.563	ug/l	91
85) sec-Butylbenzene	11.890	105	71295	19.819	ug/l	98
86) p-Isopropyltoluene	12.012	119	60858	21.496	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	30648	21.333	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	30112	20.233	ug/l	95
89) n-Butylbenzene	12.335	91	54654	20.391	ug/l	95
90) Hexachloroethane	12.543	117	8647	19.138	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	29340	21.061	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5904	19.657	ug/l	68
93) 1,2,4-Trichlorobenzene	13.591	180	18849	22.957	ug/l	98
94) Hexachlorobutadiene	13.725	225	8565	21.422	ug/l	98
95) Naphthalene	13.780	128	66608	22.089	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	18466	22.499	ug/l	94

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

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