

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032522\
 Data File : VX027713.D
 Acq On : 25 Mar 2022 22:01
 Operator : JC/MD
 Sample : N1645-08 1.0 LOQ
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2022

Quant Time: Mar 26 07:04:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 06:55:17 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	56179	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	101967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	87709	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	57651	62.568	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 125.140%			
35) Dibromofluoromethane	5.391	113	36893	55.096	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.200%			
50) Toluene-d8	8.653	98	133840	51.706	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.420%			
62) 4-Bromofluorobenzene	11.086	95	50725	48.295	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	535	0.821	ug/l	88
3) Chloromethane	1.295	50	807	1.195	ug/l	93
4) Vinyl Chloride	1.374	62	663	1.022	ug/l	92
5) Bromomethane	1.599	94	567	2.178	ug/l	94
6) Chloroethane	1.691	64	440m	1.057	ug/l	
7) Trichlorofluoromethane	1.886	101	1118	1.168	ug/l	88
8) Diethyl Ether	2.136	74	429	1.242	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	577	0.901	ug/l #	89
10) Methyl Iodide	2.447	142	700	1.119	ug/l #	77
11) Tert butyl alcohol	2.977	59	1008	5.876	ug/l #	80
12) 1,1-Dichloroethene	2.319	96	753	1.262	ug/l #	84
13) Acrolein	2.240	56	721	6.004	ug/l #	79
14) Allyl chloride	2.660	41	1175	1.041	ug/l #	79
15) Acrylonitrile	3.069	53	2600	6.188	ug/l	97
16) Acetone	2.380	43	2435	6.249	ug/l #	88
17) Carbon Disulfide	2.508	76	1634	1.021	ug/l #	92
18) Methyl Acetate	2.709	43	1193	1.197	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	2419	1.104	ug/l #	89
20) Methylene Chloride	2.788	84	877	1.261	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	748	1.127	ug/l	93
22) Diisopropyl ether	3.764	45	2295	1.020	ug/l #	55
23) Vinyl Acetate	3.727	43	9555	4.858	ug/l #	91
24) 1,1-Dichloroethane	3.605	63	1433	1.124	ug/l #	81
25) 2-Butanone	4.568	43	2812	4.493	ug/l #	71
26) 2,2-Dichloropropane	4.489	77	626	0.642	ug/l #	73
27) cis-1,2-Dichloroethene	4.489	96	901	1.219	ug/l	89
28) Bromochloromethane	4.910	49	582	1.145	ug/l #	58
29) Tetrahydrofuran	5.020	42	2032	5.503	ug/l #	75
30) Chloroform	5.099	83	1368	1.071	ug/l	91
31) Cyclohexane	5.477	56	1361	1.218	ug/l #	69
32) 1,1,1-Trichloroethane	5.373	97	1217m	1.072	ug/l	
36) 1,1-Dichloropropene	5.708	75	1115	1.054	ug/l #	77
37) Ethyl Acetate	4.733	43	1053	0.855	ug/l #	67
38) Carbon Tetrachloride	5.672	117	977	0.945	ug/l #	77
39) Methylcyclohexane	7.379	83	1210	0.995	ug/l	95
40) Benzene	6.044	78	3131	1.072	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	513	0.796	ug/l #	58
42) 1,2-Dichloroethane	6.092	62	1321	1.064	ug/l #	73
43) Isopropyl Acetate	6.349	43	2012	1.082	ug/l #	86
44) Trichloroethene	7.129	130	754	0.997	ug/l	84
45) 1,2-Dichloropropane	7.440	63	787	1.026	ug/l	89
46) Dibromomethane	7.586	93	580	1.057	ug/l #	78
47) Bromodichloromethane	7.830	83	1091	1.015	ug/l #	77
48) Methyl methacrylate	7.708	41	946	1.030	ug/l #	80
49) 1,4-Dioxane	7.671	88	424	21.617	ug/l #	83
51) 4-Methyl-2-Pentanone	8.580	43	6436	5.043	ug/l	90
52) Toluene	8.720	92	1809	0.990	ug/l	91
53) t-1,3-Dichloropropene	8.982	75	941	0.884	ug/l #	65
54) cis-1,3-Dichloropropene	8.373	75	905	0.764	ug/l #	82
55) 1,1,2-Trichloroethane	9.159	97	679	0.915	ug/l #	81
56) Ethyl methacrylate	9.116	69	1037	0.855	ug/l #	56
57) 1,3-Dichloropropane	9.318	76	1340	1.001	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.245	63	2900	4.670	ug/l #	86
59) 2-Hexanone	9.433	43	4944	4.957	ug/l	79
60) Dibromochloromethane	9.525	129	654	0.911	ug/l	83
61) 1,2-Dibromoethane	9.610	107	718	0.906	ug/l	95
64) Tetrachloroethene	9.275	164	711	1.080	ug/l	99
65) Chlorobenzene	10.086	112	1947	1.054	ug/l #	82
66) 1,1,1,2-Tetrachloroethane	10.171	131	678	1.068	ug/l #	60
67) Ethyl Benzene	10.195	91	3392	0.986	ug/l	97
68) m/p-Xylenes	10.305	106	2492	1.998	ug/l	87
69) o-Xylene	10.647	106	1230	0.981	ug/l	88
70) Styrene	10.659	104	1746	0.876	ug/l #	76
71) Bromoform	10.799	173	460	1.000	ug/l #	64
73) Isopropylbenzene	10.964	105	3059	1.007	ug/l	96
74) N-amyl acetate	10.848	43	1402	0.961	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.214	83	1159	1.082	ug/l #	95
76) 1,2,3-Trichloropropane	11.238	75	1182m	1.148	ug/l	
77) Bromobenzene	11.201	156	743	1.107	ug/l	80
78) n-propylbenzene	11.305	91	3595	0.997	ug/l	93
79) 2-Chlorotoluene	11.372	91	2511	1.105	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	2559	0.980	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.025	75	234m	0.773	ug/l	
82) 4-Chlorotoluene	11.457	91	2617	1.001	ug/l	92
83) tert-Butylbenzene	11.713	119	2457	1.024	ug/l	81
84) 1,2,4-Trimethylbenzene	11.756	105	2416	0.911	ug/l	99
85) sec-Butylbenzene	11.890	105	2952	0.939	ug/l	99
86) p-Isopropyltoluene	12.012	119	2267	0.916	ug/l #	81
87) 1,3-Dichlorobenzene	11.976	146	1433	1.142	ug/l	92
88) 1,4-Dichlorobenzene	12.049	146	1513m	1.164	ug/l	
89) n-Butylbenzene	12.341	91	2247	0.960	ug/l	87
90) Hexachloroethane	12.536	117	318	0.806	ug/l	87
91) 1,2-Dichlorobenzene	12.341	146	1377	1.131	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	216	0.823	ug/l	55
93) 1,2,4-Trichlorobenzene	13.591	180	679	0.946	ug/l	82
94) Hexachlorobutadiene	13.725	225	358	1.025	ug/l	89
95) Naphthalene	13.780	128	2296	0.871	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	744	1.038	ug/l	89

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

