

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031153.D
 Acq On : 07 Sep 2022 12:15
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 07 22:58:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 22:57:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	53873	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	90362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	94682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	12478	9.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.560%#		
35) Dibromofluoromethane	5.391	113	9076	9.217	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.440%#		
50) Toluene-d8	8.647	98	32705	9.142	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.280%#		
62) 4-Bromofluorobenzene	11.085	95	12374	9.438	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	18.880%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	8935	10.320	ug/l	95
3) Chloromethane	1.288	50	6704	10.077	ug/l	97
4) Vinyl Chloride	1.374	62	7975	10.155	ug/l	96
5) Bromomethane	1.611	94	5270	10.503	ug/l	93
6) Chloroethane	1.685	64	4643	10.539	ug/l	91
7) Trichlorofluoromethane	1.886	101	17414	10.176	ug/l	96
8) Diethyl Ether	2.136	74	5089	10.470	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	9848	10.176	ug/l	97
10) Methyl Iodide	2.453	142	11758	9.826	ug/l	# 87
11) Tert butyl alcohol	3.001	59	14990m	53.993	ug/l	
12) 1,1-Dichloroethene	2.319	96	8898	9.783	ug/l	99
13) Acrolein	2.239	56	9030	50.977	ug/l	97
14) Allyl chloride	2.666	41	12044	9.857	ug/l	# 84
15) Acrylonitrile	3.068	53	25586	52.682	ug/l	99
16) Acetone	2.392	43	22525	51.004	ug/l	# 86
17) Carbon Disulfide	2.508	76	22726	10.163	ug/l	96
18) Methyl Acetate	2.709	43	12046	10.536	ug/l	# 86
19) Methyl tert-butyl Ether	3.117	73	32721	10.128	ug/l	94
20) Methylene Chloride	2.788	84	10717	10.325	ug/l	# 91
21) trans-1,2-Dichloroethene	3.093	96	10437	10.356	ug/l	97
22) Diisopropyl ether	3.763	45	26604	10.369	ug/l	# 92
23) Vinyl Acetate	3.721	43	109676	50.926	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	17504	10.285	ug/l	98
25) 2-Butanone	4.568	43	33515	51.234	ug/l	96
26) 2,2-Dichloropropane	4.477	77	14794	9.714	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	11821	10.216	ug/l	99
28) Bromochloromethane	4.903	49	5642	9.143	ug/l	# 73
29) Tetrahydrofuran	5.019	42	20513	53.113	ug/l	# 85
30) Chloroform	5.099	83	20486	11.080	ug/l	94
31) Cyclohexane	5.477	56	14492	10.168	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	18275	10.072	ug/l	96
36) 1,1-Dichloropropene	5.702	75	14157	9.600	ug/l	96
37) Ethyl Acetate	4.727	43	13004	9.940	ug/l	99
38) Carbon Tetrachloride	5.678	117	15965	10.966	ug/l	96
39) Methylcyclohexane	7.385	83	17234	10.233	ug/l	98
40) Benzene	6.043	78	40394	10.083	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	6833	10.630	ug/l	95
42) 1,2-Dichloroethane	6.092	62	16482	10.049	ug/l	97
43) Isopropyl Acetate	6.348	43	20596	9.985	ug/l	98
44) Trichloroethene	7.129	130	11830	10.506	ug/l	85
45) 1,2-Dichloropropane	7.427	63	10491	10.656	ug/l #	85
46) Dibromomethane	7.580	93	7528	9.643	ug/l	98
47) Bromodichloromethane	7.824	83	14646	9.645	ug/l	97
48) Methyl methacrylate	7.696	41	9932	9.888	ug/l	91
49) 1,4-Dioxane	7.702	88	5781	208.494	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	64127	50.772	ug/l	88
52) Toluene	8.720	92	26079	9.870	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	14866	9.397	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	16538	9.737	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	10647	9.801	ug/l	95
56) Ethyl methacrylate	9.122	69	15524	9.700	ug/l	90
57) 1,3-Dichloropropane	9.311	76	19005	10.125	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	38203	50.648	ug/l #	88
59) 2-Hexanone	9.433	43	49957	52.304	ug/l	92
60) Dibromochloromethane	9.525	129	10881	9.716	ug/l	93
61) 1,2-Dibromoethane	9.610	107	11484	9.513	ug/l	98
64) Tetrachloroethene	9.275	164	10525	10.678	ug/l	95
65) Chlorobenzene	10.079	112	27119	9.728	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	10633	9.765	ug/l	97
67) Ethyl Benzene	10.195	91	50010	9.899	ug/l	99
68) m/p-Xylenes	10.305	106	38792	20.715	ug/l	92
69) o-Xylene	10.640	106	19233	10.291	ug/l	93
70) Styrene	10.659	104	30581	10.203	ug/l #	93
71) Bromoform	10.799	173	7048	9.715	ug/l #	96
73) Isopropylbenzene	10.963	105	50232	10.187	ug/l	98
74) N-amyl acetate	10.841	43	16818	10.713	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	15529	10.088	ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	15423m	8.733	ug/l	
77) Bromobenzene	11.201	156	10882	10.154	ug/l	92
78) n-propylbenzene	11.305	91	56812	10.107	ug/l	100
79) 2-Chlorotoluene	11.366	91	35926	10.316	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	42570	10.269	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	4709	9.799	ug/l	93
82) 4-Chlorotoluene	11.457	91	41242	10.236	ug/l	93
83) tert-Butylbenzene	11.713	119	40712	9.962	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	39984	9.921	ug/l	95
85) sec-Butylbenzene	11.890	105	50901	10.057	ug/l	98
86) p-Isopropyltoluene	12.012	119	40961	10.018	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	20651	10.368	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	20552	10.237	ug/l	95
89) n-Butylbenzene	12.335	91	35473	10.062	ug/l	98
90) Hexachloroethane	12.542	117	6807	9.689	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	20164	10.323	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3919	9.270	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	10099	8.841	ug/l	94
94) Hexachlorobutadiene	13.725	225	4657	9.601	ug/l	96
95) Naphthalene	13.780	128	42457	9.488	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	11446	9.842	ug/l	97

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

