

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090922\
 Data File : VX031271.D
 Acq On : 09 Sep 2022 20:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2022
 Supervised By : Mahesh Dadoda 09/12/2022

Quant Time: Sep 12 01:02:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	29285	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	46749	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	53661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	31271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	44905	64.766	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 129.540%#			
35) Dibromofluoromethane	5.391	113	27953	54.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.740%			
50) Toluene-d8	8.653	98	88169	47.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.280%			
62) 4-Bromofluorobenzene	11.079	95	41896	61.767	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.540%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	28930	61.472	ug/l	98
3) Chloromethane	1.288	50	16689	46.148	ug/l	99
4) Vinyl Chloride	1.374	62	21628	50.662	ug/l	99
5) Bromomethane	1.611	94	15788	57.882	ug/l	98
6) Chloroethane	1.678	64	14198	59.286	ug/l	94
7) Trichlorofluoromethane	1.886	101	61018	65.594	ug/l	97
8) Diethyl Ether	2.136	74	14483	54.814	ug/l	69
9) 1,1,2-Trichlorotrifluo...	2.325	101	25685	48.826	ug/l	97
10) Methyl Iodide	2.453	142	33178	51.006	ug/l	# 74
11) Tert butyl alcohol	2.995	59	42258	351.409	ug/l	98
12) 1,1-Dichloroethene	2.319	96	22611	45.731	ug/l	89
13) Acrolein	2.239	56	21659	224.931	ug/l	98
14) Allyl chloride	2.660	41	30997	46.667	ug/l	# 60
15) Acrylonitrile	3.068	53	69116	261.797	ug/l	95
16) Acetone	2.386	43	68519	285.416	ug/l	# 86
17) Carbon Disulfide	2.508	76	59583	49.015	ug/l	99
18) Methyl Acetate	2.709	43	30914	49.743	ug/l	# 81
19) Methyl tert-butyl Ether	3.117	73	105533	60.093	ug/l	# 86
20) Methylene Chloride	2.788	84	27708	49.107	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	28257	51.579	ug/l	94
22) Diisopropyl ether	3.763	45	54946	39.395	ug/l	# 81
23) Vinyl Acetate	3.727	43	276245	235.963	ug/l	# 87
24) 1,1-Dichloroethane	3.611	63	45347	49.017	ug/l	96
25) 2-Butanone	4.568	43	82376	231.657	ug/l	91
26) 2,2-Dichloropropane	4.477	77	41146	49.702	ug/l	87
27) cis-1,2-Dichloroethene	4.495	96	29862	47.477	ug/l	97
28) Bromochloromethane	4.903	49	13119	39.108	ug/l	# 58
29) Tetrahydrofuran	5.013	42	40964	195.120	ug/l	# 60
30) Chloroform	5.099	83	60260	55.066	ug/l	94
31) Cyclohexane	5.476	56	31483	40.635	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	65696	66.608	ug/l	96
36) 1,1-Dichloropropene	5.696	75	37994	49.801	ug/l	95
37) Ethyl Acetate	4.721	43	32414	47.892	ug/l	96
38) Carbon Tetrachloride	5.684	117	58676	73.098	ug/l	97
39) Methylcyclohexane	7.379	83	39845	45.728	ug/l	93
40) Benzene	6.043	78	95967	46.305	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	16105	45.507	ug/l #	78
42) 1,2-Dichloroethane	6.092	62	57780	68.094	ug/l	90
43) Isopropyl Acetate	6.342	43	53164	49.821	ug/l #	95
44) Trichloroethene	7.129	130	28843	49.510	ug/l	89
45) 1,2-Dichloropropane	7.433	63	21543	42.297	ug/l	96
46) Dibromomethane	7.586	93	21408	53.006	ug/l	95
47) Bromodichloromethane	7.824	83	50244	63.953	ug/l	95
48) Methyl methacrylate	7.696	41	25880	49.805	ug/l #	78
49) 1,4-Dioxane	7.683	88	14669	1022.599	ug/l	88
51) 4-Methyl-2-Pentanone	8.580	43	153205	234.462	ug/l	94
52) Toluene	8.720	92	66940	48.970	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	48805	59.631	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	43946	50.014	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	28519	50.745	ug/l	91
56) Ethyl methacrylate	9.116	69	42797	51.688	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	46876	48.272	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	84712	217.080	ug/l #	82
59) 2-Hexanone	9.433	43	126464	255.927	ug/l	99
60) Dibromochloromethane	9.525	129	37232	64.258	ug/l	98
61) 1,2-Dibromoethane	9.610	107	32032	51.289	ug/l	98
64) Tetrachloroethene	9.275	164	25797	46.180	ug/l	88
65) Chlorobenzene	10.079	112	79835	50.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	36188	58.641	ug/l	93
67) Ethyl Benzene	10.195	91	152961	53.425	ug/l	96
68) m/p-Xylenes	10.305	106	110564	104.174	ug/l	79
69) o-Xylene	10.646	106	56275	53.127	ug/l	84
70) Styrene	10.658	104	92271	54.321	ug/l #	88
71) Bromoform	10.799	173	27004	65.676	ug/l #	94
73) Isopropylbenzene	10.963	105	158082	58.216	ug/l	95
74) N-amyl acetate	10.841	43	45654	52.809	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	44551	52.557	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	46214m	54.150	ug/l	
77) Bromobenzene	11.201	156	35027	59.350	ug/l	99
78) n-propylbenzene	11.305	91	180273	58.241	ug/l	96
79) 2-Chlorotoluene	11.366	91	112715	58.777	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	139094	60.930	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.018	75	15191	57.402	ug/l	83
82) 4-Chlorotoluene	11.457	91	133834	60.321	ug/l	92
83) tert-Butylbenzene	11.719	119	118542	52.675	ug/l	86
84) 1,2,4-Trimethylbenzene	11.756	105	122608	55.245	ug/l	90
85) sec-Butylbenzene	11.890	105	144712	51.921	ug/l	98
86) p-Isopropyltoluene	12.012	119	121312	53.877	ug/l	88
87) 1,3-Dichlorobenzene	11.969	146	55897	50.961	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	54264	48.106	ug/l	95
89) n-Butylbenzene	12.335	91	106758	54.991	ug/l	99
90) Hexachloroethane	12.542	117	23347	60.347	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	56146	52.197	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14839	63.740	ug/l	67
93) 1,2,4-Trichlorobenzene	13.591	180	33182	52.752	ug/l	96
94) Hexachlorobutadiene	13.725	225	13092	49.014	ug/l	91
95) Naphthalene	13.774	128	133691	54.256	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	34457	53.804	ug/l	98

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

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