

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031028.D
 Acq On : 01 Sep 2022 18:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 02 02:54:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	175666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	287013	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	265033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	118919	52.612	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	5.385	113	110106	52.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.140%			
50) Toluene-d8	8.653	98	398871	51.744	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%			
62) 4-Bromofluorobenzene	11.085	95	152569	56.037	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	82492	45.638	ug/l	98
3) Chloromethane	1.288	50	65079	43.300	ug/l	96
4) Vinyl Chloride	1.374	62	81365	43.093	ug/l	99
5) Bromomethane	1.605	94	49363	58.479	ug/l	92
6) Chloroethane	1.678	64	49203	49.579	ug/l	99
7) Trichlorofluoromethane	1.880	101	145325	45.549	ug/l	97
8) Diethyl Ether	2.136	74	56248	50.550	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	99588	47.125	ug/l	93
10) Methyl Iodide	2.453	142	107578	52.447	ug/l	97
11) Tert butyl alcohol	2.983	59	134135	297.814	ug/l	98
12) 1,1-Dichloroethene	2.312	96	95770	46.928	ug/l	98
13) Acrolein	2.239	56	110017	265.989	ug/l	98
14) Allyl chloride	2.660	41	135017	49.817	ug/l #	94
15) Acrylonitrile	3.068	53	296568	279.855	ug/l	98
16) Acetone	2.386	43	231548	265.360	ug/l	97
17) Carbon Disulfide	2.508	76	241628	45.591	ug/l	99
18) Methyl Acetate	2.709	43	135026	53.850	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	339659	54.044	ug/l	94
20) Methylene Chloride	2.788	84	117184	55.430	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	106070	46.709	ug/l	93
22) Diisopropyl ether	3.763	45	285768	52.329	ug/l #	88
23) Vinyl Acetate	3.727	43	1225547	277.839	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	180819	49.139	ug/l	100
25) 2-Butanone	4.562	43	376831	279.734	ug/l #	89
26) 2,2-Dichloropropane	4.477	77	135588	46.174	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	131236	51.564	ug/l	92
28) Bromochloromethane	4.903	49	55204	50.636	ug/l #	68
29) Tetrahydrofuran	5.007	42	241063	277.573	ug/l #	84
30) Chloroform	5.092	83	203838	50.514	ug/l	97
31) Cyclohexane	5.464	56	145762	47.208	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	166539	48.144	ug/l	95
36) 1,1-Dichloropropene	5.690	75	135869	46.311	ug/l	97
37) Ethyl Acetate	4.721	43	141410	55.475	ug/l	95
38) Carbon Tetrachloride	5.684	117	146556	48.125	ug/l	98
39) Methylcyclohexane	7.385	83	177624	48.852	ug/l	95
40) Benzene	6.043	78	430376	51.095	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	78276	57.597	ug/l	92
42) 1,2-Dichloroethane	6.086	62	145864	52.497	ug/l	98
43) Isopropyl Acetate	6.342	43	223360	56.066	ug/l #	92
44) Trichloroethene	7.129	130	133573	50.101	ug/l	91
45) 1,2-Dichloropropane	7.433	63	116680	54.043	ug/l	97
46) Dibromomethane	7.580	93	88116	54.529	ug/l	92
47) Bromodichloromethane	7.824	83	163408	54.127	ug/l	95
48) Methyl methacrylate	7.696	41	110691	55.035	ug/l #	85
49) 1,4-Dioxane	7.671	88	68659	1122.339	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	720266	281.237	ug/l	89
52) Toluene	8.720	92	292411	53.531	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	169343	56.651	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	183603	54.931	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	125941	54.232	ug/l	98
56) Ethyl methacrylate	9.116	69	182889	57.608	ug/l	86
57) 1,3-Dichloropropane	9.311	76	194974	53.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	450189	283.975	ug/l	94
59) 2-Hexanone	9.433	43	569033	293.812	ug/l	90
60) Dibromochloromethane	9.525	129	138016	57.237	ug/l	99
61) 1,2-Dibromoethane	9.610	107	139627	56.952	ug/l	98
64) Tetrachloroethene	9.275	164	131113	49.547	ug/l	97
65) Chlorobenzene	10.079	112	317630	50.180	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	120497	51.555	ug/l	99
67) Ethyl Benzene	10.195	91	541999	49.981	ug/l	99
68) m/p-Xylenes	10.305	106	434460	102.152	ug/l	94
69) o-Xylene	10.646	106	217601	52.168	ug/l	97
70) Styrene	10.659	104	371664	55.059	ug/l	99
71) Bromoform	10.799	173	104834	57.684	ug/l #	99
73) Isopropylbenzene	10.963	105	543801	43.544	ug/l	100
74) N-amyl acetate	10.841	43	189385	50.240	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	183985	46.070	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	171181m	46.742	ug/l	
77) Bromobenzene	11.201	156	150706	46.805	ug/l	89
78) n-propylbenzene	11.305	91	689286	48.461	ug/l	100
79) 2-Chlorotoluene	11.366	91	396394	45.258	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	491164	46.735	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	58614	50.300	ug/l	93
82) 4-Chlorotoluene	11.457	91	443384	45.244	ug/l	97
83) tert-Butylbenzene	11.719	119	473425	45.261	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	506252	48.465	ug/l	99
85) sec-Butylbenzene	11.896	105	625945	45.687	ug/l	98
86) p-Isopropyltoluene	12.012	119	545707	50.294	ug/l	96
87) 1,3-Dichlorobenzene	11.975	146	306291	49.661	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	295378	48.089	ug/l	97
89) n-Butylbenzene	12.335	91	483492	49.420	ug/l	99
90) Hexachloroethane	12.542	117	93187	47.391	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	305008	48.217	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	49667	51.044	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	219608	54.855	ug/l	97
94) Hexachlorobutadiene	13.725	225	79464	45.334	ug/l	97
95) Naphthalene	13.774	128	770602	54.877	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	220495	52.505	ug/l	98

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

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