

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071422\
 Data File : VX030078.D
 Acq On : 14 Jul 2022 22:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/15/2022
 Supervised By : Mahesh Dadoda 07/15/2022

Quant Time: Jul 15 04:21:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	170047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	306687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	271858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105101	50.779	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.560%			
35) Dibromofluoromethane	5.391	113	94007	47.982	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.960%			
50) Toluene-d8	8.653	98	362966	49.259	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.520%			
62) 4-Bromofluorobenzene	11.085	95	129820	50.768	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	108299	56.194	ug/l	99
3) Chloromethane	1.288	50	101349	57.196	ug/l	98
4) Vinyl Chloride	1.374	62	111723	56.765	ug/l	100
5) Bromomethane	1.611	94	48248	57.708	ug/l	96
6) Chloroethane	1.685	64	60954	54.996	ug/l	96
7) Trichlorofluoromethane	1.886	101	147786	58.142	ug/l	97
8) Diethyl Ether	2.136	74	58201	55.348	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	95462	55.014	ug/l	98
10) Methyl Iodide	2.453	142	105907	61.579	ug/l	100
11) Tert butyl alcohol	2.989	59	130794	244.846	ug/l	98
12) 1,1-Dichloroethene	2.319	96	99485	57.422	ug/l	98
13) Acrolein	2.239	56	22281	209.426	ug/l	98
14) Allyl chloride	2.666	41	168705	55.722	ug/l	99
15) Acrylonitrile	3.069	53	351369	289.420	ug/l	100
16) Acetone	2.392	43	282530	289.687	ug/l	99
17) Carbon Disulfide	2.508	76	248043	51.172	ug/l	98
18) Methyl Acetate	2.709	43	167478	56.447	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	321685	58.741	ug/l	97
20) Methylene Chloride	2.788	84	114512	58.391	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	106291	58.859	ug/l	96
22) Diisopropyl ether	3.770	45	354086	59.748	ug/l	90
23) Vinyl Acetate	3.727	43	1545501	308.054	ug/l	99
24) 1,1-Dichloroethane	3.611	63	190022	57.863	ug/l	99
25) 2-Butanone	4.568	43	487368	293.356	ug/l	99
26) 2,2-Dichloropropane	4.483	77	96241	41.719	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	123454	55.825	ug/l	97
28) Bromochloromethane	4.904	49	78128	56.550	ug/l	98
29) Tetrahydrofuran	5.013	42	329321	292.087	ug/l	100
30) Chloroform	5.099	83	192031	58.677	ug/l	100
31) Cyclohexane	5.477	56	172539	57.504	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	156372	58.461	ug/l	98
36) 1,1-Dichloropropene	5.696	75	140061	55.345	ug/l	98
37) Ethyl Acetate	4.721	43	183402	56.398	ug/l	99
38) Carbon Tetrachloride	5.678	117	127470	54.013	ug/l	97
39) Methylcyclohexane	7.385	83	177963	55.472	ug/l	98
40) Benzene	6.044	78	446201	56.018	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	100972	57.667	ug/l	99
42) 1,2-Dichloroethane	6.092	62	143607	58.174	ug/l	99
43) Isopropyl Acetate	6.348	43	284230	58.126	ug/l	99
44) Trichloroethene	7.129	130	122738	52.732	ug/l	98
45) 1,2-Dichloropropane	7.434	63	116661	56.347	ug/l	96
46) Dibromomethane	7.586	93	79676	55.913	ug/l	98
47) Bromodichloromethane	7.824	83	144418	55.853	ug/l	98
48) Methyl methacrylate	7.696	41	133370	59.111	ug/l	99
49) 1,4-Dioxane	7.684	88	64908	1107.281	ug/l	100
51) 4-Methyl-2-Pentanone	8.580	43	936826	289.517	ug/l	100
52) Toluene	8.720	92	279954	55.348	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	147424	54.889	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	163537	53.150	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	116955	56.071	ug/l	96
56) Ethyl methacrylate	9.122	69	183135	58.397	ug/l	99
57) 1,3-Dichloropropane	9.311	76	188717	56.954	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	468424	275.077	ug/l	100
59) 2-Hexanone	9.433	43	735104	296.242	ug/l	98
60) Dibromochloromethane	9.525	129	111280	54.761	ug/l	99
61) 1,2-Dibromoethane	9.616	107	120691	55.596	ug/l	98
64) Tetrachloroethene	9.275	164	119018	54.538	ug/l	97
65) Chlorobenzene	10.079	112	290879	53.732	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	103307	55.977	ug/l	100
67) Ethyl Benzene	10.195	91	526016	57.331	ug/l	99
68) m/p-Xylenes	10.305	106	404298	112.350	ug/l	99
69) o-Xylene	10.646	106	200867	55.747	ug/l	99
70) Styrene	10.659	104	336446	56.258	ug/l	99
71) Bromoform	10.805	173	76688	51.720	ug/l #	100
73) Isopropylbenzene	10.963	105	514072	55.786	ug/l	99
74) N-amyl acetate	10.848	43	233591	57.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	175632	52.828	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	165783m	54.483	ug/l	
77) Bromobenzene	11.201	156	119410	51.791	ug/l	98
78) n-propylbenzene	11.305	91	611892	55.971	ug/l	99
79) 2-Chlorotoluene	11.366	91	358856	54.804	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	428270	55.155	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	51050	48.418	ug/l	96
82) 4-Chlorotoluene	11.457	91	403945	55.060	ug/l	99
83) tert-Butylbenzene	11.719	119	403895	54.241	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	433607	56.457	ug/l	99
85) sec-Butylbenzene	11.890	105	553854	56.262	ug/l	99
86) p-Isopropyltoluene	12.012	119	444649	56.303	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	228467	53.630	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	233282	53.362	ug/l	98
89) n-Butylbenzene	12.335	91	424921	60.051	ug/l	99
90) Hexachloroethane	12.542	117	74463	55.155	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	230057	53.156	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	43646	57.496	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	137697	51.798	ug/l	98
94) Hexachlorobutadiene	13.725	225	51506	48.530	ug/l	98
95) Naphthalene	13.774	128	575431	54.534	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	142254	52.592	ug/l	99

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

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