

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052422\
 Data File : VX028911.D
 Acq On : 24 May 2022 10:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 24 17:20:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	282774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	455677	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	414339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	222787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189631	48.922	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.840%		
35) Dibromofluoromethane	5.385	113	152870	51.204	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.400%		
50) Toluene-d8	8.647	98	554505	49.263	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.520%		
62) 4-Bromofluorobenzene	11.079	95	226122	53.785	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	176858	47.765	ug/l	99
3) Chloromethane	1.288	50	146886	42.124	ug/l	100
4) Vinyl Chloride	1.374	62	163496	43.508	ug/l	100
5) Bromomethane	1.599	94	142805	54.207	ug/l	100
6) Chloroethane	1.679	64	106186	44.622	ug/l	100
7) Trichlorofluoromethane	1.880	101	270235	45.105	ug/l	97
8) Diethyl Ether	2.136	74	96874	44.376	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	156115	49.517	ug/l	98
10) Methyl Iodide	2.453	142	179770	47.627	ug/l	94
11) Tert butyl alcohol	2.989	59	204806	248.938	ug/l	98
12) 1,1-Dichloroethene	2.319	96	140346	47.956	ug/l	96
13) Acrolein	2.233	56	132575	208.376	ug/l	97
14) Allyl chloride	2.660	41	229712	48.939	ug/l	94
15) Acrylonitrile	3.062	53	437274	234.142	ug/l	98
16) Acetone	2.380	43	444978	267.485	ug/l	93
17) Carbon Disulfide	2.508	76	312380	41.176	ug/l	99
18) Methyl Acetate	2.703	43	202428	48.584	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	540545	52.048	ug/l	98
20) Methylene Chloride	2.788	84	162204	46.476	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	154472	46.859	ug/l	99
22) Diisopropyl ether	3.757	45	487169	48.568	ug/l #	87
23) Vinyl Acetate	3.721	43	2102128	243.098	ug/l	98
24) 1,1-Dichloroethane	3.611	63	287149	49.242	ug/l	100
25) 2-Butanone	4.556	43	626894	240.074	ug/l	97
26) 2,2-Dichloropropane	4.477	77	250933	54.882	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	188881	49.059	ug/l	99
28) Bromochloromethane	4.897	49	110753	45.122	ug/l	100
29) Tetrahydrofuran	5.001	42	388467	228.867	ug/l	94
30) Chloroform	5.093	83	318565	50.477	ug/l	96
31) Cyclohexane	5.471	56	246702	45.853	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	286325	51.969	ug/l	98
36) 1,1-Dichloropropene	5.690	75	225597	50.309	ug/l	99
37) Ethyl Acetate	4.715	43	236548	50.505	ug/l	98
38) Carbon Tetrachloride	5.678	117	250061	55.412	ug/l	100
39) Methylcyclohexane	7.379	83	277989	54.057	ug/l	95
40) Benzene	6.037	78	649193	50.374	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	130185	51.840	ug/l	93
42) 1,2-Dichloroethane	6.086	62	251200	52.844	ug/l	98
43) Isopropyl Acetate	6.336	43	376293	51.354	ug/l	97
44) Trichloroethene	7.123	130	185677	53.124	ug/l	95
45) 1,2-Dichloropropane	7.427	63	165428	51.449	ug/l	96
46) Dibromomethane	7.580	93	122553	51.037	ug/l	96
47) Bromodichloromethane	7.824	83	246407	55.272	ug/l	99
48) Methyl methacrylate	7.690	41	184809	52.211	ug/l	91
49) 1,4-Dioxane	7.665	88	82632	934.462	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1208749	250.442	ug/l	96
52) Toluene	8.720	92	433002	52.230	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	260913	50.815	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	280570	55.932	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	179385	53.064	ug/l	99
56) Ethyl methacrylate	9.116	69	282324	55.149	ug/l	92
57) 1,3-Dichloropropane	9.311	76	295898	51.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	646191	257.825	ug/l	97
59) 2-Hexanone	9.433	43	967456	258.001	ug/l	94
60) Dibromochloromethane	9.519	129	189038	57.338	ug/l	97
61) 1,2-Dibromoethane	9.610	107	188909	53.205	ug/l	99
64) Tetrachloroethene	9.275	164	173876	55.571	ug/l	98
65) Chlorobenzene	10.079	112	472819	53.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	181110	58.165	ug/l	98
67) Ethyl Benzene	10.195	91	846176	53.708	ug/l	99
68) m/p-Xylenes	10.299	106	657313	107.161	ug/l	98
69) o-Xylene	10.640	106	327040	54.153	ug/l	98
70) Styrene	10.659	104	550378	56.120	ug/l	97
71) Bromoform	10.799	173	139881	54.055	ug/l #	99
73) Isopropylbenzene	10.963	105	861746	51.006	ug/l	99
74) N-amyl acetate	10.842	43	341996	51.495	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	284666	49.114	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	269234m	51.603	ug/l	
77) Bromobenzene	11.201	156	209176	52.326	ug/l	97
78) n-propylbenzene	11.305	91	1011920	51.779	ug/l	99
79) 2-Chlorotoluene	11.366	91	619809	51.746	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	758233	53.860	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	85922	49.196	ug/l	90
82) 4-Chlorotoluene	11.457	91	722373	52.167	ug/l	100
83) tert-Butylbenzene	11.713	119	758156	55.623	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	760058	53.840	ug/l	99
85) sec-Butylbenzene	11.890	105	940586	55.944	ug/l	100
86) p-Isopropyltoluene	12.012	119	809135	57.352	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	414874	52.911	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	415464	51.084	ug/l	98
89) n-Butylbenzene	12.335	91	706374	57.786	ug/l	99
90) Hexachloroethane	12.542	117	132338	58.005	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	411922	53.478	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	67247	54.336	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	261994	58.891	ug/l	98
94) Hexachlorobutadiene	13.725	225	117454	64.987	ug/l	94
95) Naphthalene	13.774	128	889403	56.180	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	258826	57.926	ug/l	95

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

