

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035679.D
 Acq On : 16 May 2023 10:05
 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 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:24:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	209378	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	366011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	329163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	188584	51.629	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.260%			
35) Dibromofluoromethane	5.379	113	126994	51.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.900%			
50) Toluene-d8	8.647	98	470209	51.565	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.120%			
62) 4-Bromofluorobenzene	11.079	95	193944	52.823	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	126783	46.462	ug/l	100
3) Chloromethane	1.294	50	135181	40.822	ug/l	100
4) Vinyl Chloride	1.374	62	130916	46.584	ug/l	98
5) Bromomethane	1.618	94	80619	52.968	ug/l	95
6) Chloroethane	1.691	64	81569	47.844	ug/l	98
7) Trichlorofluoromethane	1.886	101	199570	48.297	ug/l	97
8) Diethyl Ether	2.130	74	79365	49.883	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	118783	48.416	ug/l	95
10) Methyl Iodide	2.453	142	122235	55.708	ug/l	91
11) Tert butyl alcohol	3.020	59	144220	223.795	ug/l	# 85
12) 1,1-Dichloroethene	2.319	96	110677	47.467	ug/l	91
13) Acrolein	2.239	56	176441	230.684	ug/l	99
14) Allyl chloride	2.666	41	234272	46.899	ug/l	94
15) Acrylonitrile	3.069	53	346604	244.250	ug/l	97
16) Acetone	2.398	43	411905	262.375	ug/l	95
17) Carbon Disulfide	2.514	76	253465	45.042	ug/l	100
18) Methyl Acetate	2.703	43	287011	49.572	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	449033	48.395	ug/l	99
20) Methylene Chloride	2.788	84	131908	46.361	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	120761	47.265	ug/l	92
22) Diisopropyl ether	3.757	45	472501	48.311	ug/l	93
23) Vinyl Acetate	3.721	43	1712125	247.405	ug/l	98
24) 1,1-Dichloroethane	3.605	63	250339	47.859	ug/l	97
25) 2-Butanone	4.562	43	540113	248.529	ug/l	97
26) 2,2-Dichloropropane	4.471	77	219916	49.647	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	146918	47.834	ug/l	94
28) Bromochloromethane	4.891	49	121637	51.699	ug/l	94
29) Tetrahydrofuran	5.007	42	324960	237.899	ug/l	99
30) Chloroform	5.087	83	262295	48.935	ug/l	99
31) Cyclohexane	5.471	56	215267	46.646	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	229259	49.159	ug/l	99
36) 1,1-Dichloropropene	5.690	75	186466	47.858	ug/l	98
37) Ethyl Acetate	4.709	43	201240	49.519	ug/l	99
38) Carbon Tetrachloride	5.672	117	184794	50.068	ug/l	99
39) Methylcyclohexane	7.379	83	217984	47.529	ug/l	92
40) Benzene	6.038	78	527856	48.428	ug/l	99

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41) Methacrylonitrile	4.916	41	121606	50.399	ug/l	95
42) 1,2-Dichloroethane	6.080	62	232926	49.678	ug/l	97
43) Isopropyl Acetate	6.336	43	352668	49.766	ug/l	99
44) Trichloroethene	7.123	130	132808	48.054	ug/l	94
45) 1,2-Dichloropropane	7.428	63	144464	50.044	ug/l	99
46) Dibromomethane	7.580	93	98667	49.932	ug/l	95
47) Bromodichloromethane	7.818	83	197167	51.624	ug/l	95
48) Methyl methacrylate	7.690	41	174833	49.991	ug/l	96
49) 1,4-Dioxane	7.726	88	60544	843.033	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	1034423	253.375	ug/l	98
52) Toluene	8.714	92	330187	47.990	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	219350	52.862	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	233212	52.457	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	136261	50.423	ug/l	99
56) Ethyl methacrylate	9.116	69	222059	50.742	ug/l	96
57) 1,3-Dichloropropane	9.305	76	241013	49.198	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	533706	239.731	ug/l	99
59) 2-Hexanone	9.427	43	791458	257.420	ug/l	99
60) Dibromochloromethane	9.519	129	137326	53.311	ug/l	99
61) 1,2-Dibromoethane	9.610	107	143950	50.559	ug/l	100
64) Tetrachloroethene	9.275	164	105289	47.512	ug/l	97
65) Chlorobenzene	10.079	112	351514	48.921	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	130973	51.551	ug/l	99
67) Ethyl Benzene	10.195	91	663007	49.062	ug/l	97
68) m/p-Xylenes	10.299	106	491942	98.485	ug/l	96
69) o-Xylene	10.640	106	241402	48.703	ug/l	94
70) Styrene	10.653	104	404090	50.584	ug/l	97
71) Bromoform	10.799	173	87282	52.213	ug/l #	100
73) Isopropylbenzene	10.963	105	644951	48.156	ug/l	98
74) N-amyl acetate	10.842	43	299623	47.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	208517	47.995	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	181753m	46.751	ug/l	
77) Bromobenzene	11.195	156	141330	46.493	ug/l	89
78) n-propylbenzene	11.305	91	773182	49.111	ug/l	98
79) 2-Chlorotoluene	11.366	91	470856	47.770	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	553205	48.599	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	61992	51.391	ug/l	90
82) 4-Chlorotoluene	11.451	91	549745	48.429	ug/l	97
83) tert-Butylbenzene	11.713	119	533848	48.248	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	553752	48.449	ug/l	97
85) sec-Butylbenzene	11.890	105	678457	48.836	ug/l	98
86) p-Isopropyltoluene	12.006	119	567661	49.702	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	277300	48.020	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	281548	48.283	ug/l	98
89) n-Butylbenzene	12.329	91	524151	50.449	ug/l	98
90) Hexachloroethane	12.536	117	88237	50.971	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	274921	48.617	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	48168	49.789	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	173435	50.936	ug/l	98
94) Hexachlorobutadiene	13.725	225	67417	49.884	ug/l	99
95) Naphthalene	13.774	128	578808	49.639	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	167833	50.119	ug/l	96

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

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