

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033976.D
 Acq On : 31 Jan 2023 17:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2023
 Supervised By : Mahesh Dadoda 02/01/2023

Quant Time: Feb 01 02:16:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	161355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223479	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	74492	43.847	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.700%		
35) Dibromofluoromethane	5.379	113	69541	50.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.220%		
50) Toluene-d8	8.647	98	247369	48.925	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.860%		
62) 4-Bromofluorobenzene	11.079	95	97119	51.736	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	53863	42.242	ug/l	100
3) Chloromethane	1.295	50	64766	45.983	ug/l	99
4) Vinyl Chloride	1.374	62	66188	48.423	ug/l	98
5) Bromomethane	1.605	94	30504	38.841	ug/l	100
6) Chloroethane	1.685	64	41069	48.599	ug/l	100
7) Trichlorofluoromethane	1.886	101	99126	44.718	ug/l	98
8) Diethyl Ether	2.130	74	41106	56.635	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	68146	53.297	ug/l	93
10) Methyl Iodide	2.453	142	91999	51.332	ug/l	92
11) Tert butyl alcohol	2.953	59	66085	223.915	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	63881	48.656	ug/l	89
13) Acrolein	2.233	56	65170	239.324	ug/l	99
14) Allyl chloride	2.660	41	111318	44.953	ug/l	88
15) Acrylonitrile	3.056	53	188181	242.273	ug/l	100
16) Acetone	2.374	43	168257	273.692	ug/l	92
17) Carbon Disulfide	2.514	76	124266	37.859	ug/l	98
18) Methyl Acetate	2.697	43	117078	49.379	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	218885	48.002	ug/l	99
20) Methylene Chloride	2.788	84	71841	48.561	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	68109	44.375	ug/l	96
22) Diisopropyl ether	3.751	45	234352	47.037	ug/l	98
23) Vinyl Acetate	3.715	43	883305	235.508	ug/l	98
24) 1,1-Dichloroethane	3.605	63	126262	46.320	ug/l	100
25) 2-Butanone	4.544	43	254814	229.552	ug/l	96
26) 2,2-Dichloropropane	4.471	77	90430	46.314	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	82544	46.779	ug/l	96
28) Bromochloromethane	4.891	49	56657	45.630	ug/l	93
29) Tetrahydrofuran	4.995	42	164717	235.436	ug/l	97
30) Chloroform	5.087	83	131063	46.944	ug/l	99
31) Cyclohexane	5.471	56	105800	42.321	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	111154	46.631	ug/l	97
36) 1,1-Dichloropropene	5.690	75	94157	46.491	ug/l	99
37) Ethyl Acetate	4.702	43	98796	51.192	ug/l	99
38) Carbon Tetrachloride	5.678	117	98508	46.962	ug/l	98
39) Methylcyclohexane	7.379	83	114093	45.618	ug/l	95
40) Benzene	6.031	78	288019	48.791	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	57433	51.461	ug/l	97
42) 1,2-Dichloroethane	6.080	62	98287	46.982	ug/l	98
43) Isopropyl Acetate	6.330	43	158899	49.699	ug/l	98
44) Trichloroethene	7.123	130	85385	51.725	ug/l	99
45) 1,2-Dichloropropane	7.428	63	74035	50.065	ug/l	100
46) Dibromomethane	7.574	93	51222	49.590	ug/l	95
47) Bromodichloromethane	7.818	83	100243	50.358	ug/l	98
48) Methyl methacrylate	7.690	41	80873	50.214	ug/l	96
49) 1,4-Dioxane	7.665	88	31931	896.293	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	505637	257.507	ug/l	98
52) Toluene	8.714	92	192303	50.445	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	103514	51.998	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	118047	52.922	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	79316	52.562	ug/l	98
56) Ethyl methacrylate	9.116	69	116394	54.809	ug/l	96
57) 1,3-Dichloropropane	9.305	76	128124	52.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	266233	254.555	ug/l	98
59) 2-Hexanone	9.427	43	371213	271.615	ug/l	98
60) Dibromochloromethane	9.519	129	86435	55.250	ug/l	99
61) 1,2-Dibromoethane	9.610	107	82503	54.784	ug/l	99
64) Tetrachloroethene	9.269	164	78674	55.382	ug/l	99
65) Chlorobenzene	10.080	112	213773	51.027	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	81993	53.180	ug/l	98
67) Ethyl Benzene	10.195	91	363867	50.586	ug/l	99
68) m/p-Xylenes	10.299	106	290327	103.192	ug/l	98
69) o-Xylene	10.640	106	144072	51.636	ug/l	98
70) Styrene	10.653	104	240081	52.909	ug/l	100
71) Bromoform	10.799	173	68902	53.332	ug/l	99
73) Isopropylbenzene	10.964	105	373924	51.261	ug/l	98
74) N-amyl acetate	10.842	43	141765	48.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	113791	53.527	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	104383m	51.186	ug/l	
77) Bromobenzene	11.195	156	102867	52.303	ug/l	97
78) n-propylbenzene	11.305	91	422904	46.695	ug/l	100
79) 2-Chlorotoluene	11.366	91	249287	51.011	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	314435	47.081	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	32118	48.948	ug/l	98
82) 4-Chlorotoluene	11.451	91	286012	51.143	ug/l	98
83) tert-Butylbenzene	11.713	119	326670	49.262	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	314719	49.816	ug/l	100
85) sec-Butylbenzene	11.890	105	397501	50.116	ug/l	99
86) p-Isopropyltoluene	12.006	119	343970	50.654	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	189786	50.606	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	191168	50.040	ug/l	100
89) n-Butylbenzene	12.329	91	281373	50.649	ug/l	99
90) Hexachloroethane	12.536	117	53489	47.886	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	186691	51.588	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22562	49.816	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	134327	55.104	ug/l	100
94) Hexachlorobutadiene	13.725	225	63350	53.053	ug/l	99
95) Naphthalene	13.774	128	392244	55.930	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	133808	54.858	ug/l	99

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

