

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011623\
 Data File : VX033751.D
 Acq On : 16 Jan 2023 16:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 17 01:04:37 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	172698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269926	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	88347	48.586	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.180%		
35) Dibromofluoromethane	5.379	113	74773	44.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.220%		
50) Toluene-d8	8.647	98	292669	47.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.840%		
62) 4-Bromofluorobenzene	11.079	95	111210	49.048	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	60665	44.451	ug/l	98
3) Chloromethane	1.295	50	62543	41.488	ug/l	100
4) Vinyl Chloride	1.374	62	64455	44.058	ug/l	100
5) Bromomethane	1.618	94	47685	56.729	ug/l	99
6) Chloroethane	1.691	64	50138	55.434	ug/l	98
7) Trichlorofluoromethane	1.886	101	122852	51.782	ug/l	98
8) Diethyl Ether	2.130	74	45158	58.131	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	74411	54.360	ug/l	98
10) Methyl Iodide	2.453	142	108723	56.679	ug/l	97
11) Tert butyl alcohol	3.038	59	74738	236.601	ug/l	98
12) 1,1-Dichloroethene	2.319	96	68521	48.762	ug/l	98
13) Acrolein	2.239	56	85833	294.501	ug/l	99
14) Allyl chloride	2.660	41	141919	53.547	ug/l	91
15) Acrylonitrile	3.069	53	214281	257.756	ug/l	99
16) Acetone	2.398	43	204055	311.856	ug/l	100
17) Carbon Disulfide	2.514	76	181608	51.029	ug/l	98
18) Methyl Acetate	2.703	43	132616	52.259	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	259738	53.219	ug/l	100
20) Methylene Chloride	2.788	84	88422	56.239	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	83811	51.019	ug/l	98
22) Diisopropyl ether	3.751	45	275238	51.615	ug/l	94
23) Vinyl Acetate	3.715	43	1059969	264.048	ug/l	99
24) 1,1-Dichloroethane	3.605	63	148349	50.848	ug/l	98
25) 2-Butanone	4.562	43	288593	242.906	ug/l	99
26) 2,2-Dichloropropane	4.471	77	102668	49.128	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	86275	45.682	ug/l	95
28) Bromochloromethane	4.891	49	65484	49.275	ug/l	95
29) Tetrahydrofuran	5.007	42	185866	248.216	ug/l	100
30) Chloroform	5.087	83	153846	51.485	ug/l	99
31) Cyclohexane	5.465	56	135785	50.747	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	129197	50.641	ug/l	99
36) 1,1-Dichloropropene	5.684	75	115437	47.191	ug/l	99
37) Ethyl Acetate	4.709	43	117416	50.323	ug/l	99
38) Carbon Tetrachloride	5.672	117	118458	46.756	ug/l	99
39) Methylcyclohexane	7.373	83	150405	49.789	ug/l	96
40) Benzene	6.031	78	340628	47.774	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	65602	48.666	ug/l	98
42) 1,2-Dichloroethane	6.080	62	115982	45.901	ug/l	98
43) Isopropyl Acetate	6.336	43	183146	47.425	ug/l	98
44) Trichloroethene	7.123	130	99500	49.904	ug/l	99
45) 1,2-Dichloropropane	7.428	63	88186	49.373	ug/l	99
46) Dibromomethane	7.574	93	59534	47.720	ug/l	98
47) Bromodichloromethane	7.818	83	112645	46.851	ug/l	98
48) Methyl methacrylate	7.690	41	94524	48.591	ug/l	98
49) 1,4-Dioxane	7.732	88	40032	930.329	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	567020	239.078	ug/l	99
52) Toluene	8.714	92	224331	48.720	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120601	50.157	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	135416	50.262	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	88731	48.683	ug/l	99
56) Ethyl methacrylate	9.116	69	132160	51.524	ug/l	98
57) 1,3-Dichloropropane	9.305	76	147073	49.764	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	309827	245.263	ug/l	100
59) 2-Hexanone	9.427	43	425342	257.668	ug/l	100
60) Dibromochloromethane	9.519	129	95360	50.466	ug/l	98
61) 1,2-Dibromoethane	9.604	107	94083	51.723	ug/l	98
64) Tetrachloroethene	9.269	164	91221	53.804	ug/l	99
65) Chlorobenzene	10.080	112	247867	49.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	91688	49.868	ug/l	99
67) Ethyl Benzene	10.189	91	427552	49.844	ug/l	99
68) m/p-Xylenes	10.299	106	342051	101.950	ug/l	100
69) o-Xylene	10.640	106	164468	49.430	ug/l	98
70) Styrene	10.653	104	275269	50.870	ug/l	98
71) Bromoform	10.799	173	71519	46.420	ug/l #	99
73) Isopropylbenzene	10.964	105	435546	51.502	ug/l	100
74) N-amyl acetate	10.842	43	168477	49.849	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	127813	51.733	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	104606m	44.235	ug/l	
77) Bromobenzene	11.195	156	113236	49.528	ug/l	96
78) n-propylbenzene	11.305	91	502883	47.882	ug/l	100
79) 2-Chlorotoluene	11.366	91	289419	51.075	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	368870	47.629	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	34828	45.772	ug/l	97
82) 4-Chlorotoluene	11.451	91	339758	52.468	ug/l	100
83) tert-Butylbenzene	11.713	119	371569	48.320	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	364712	49.783	ug/l	100
85) sec-Butylbenzene	11.890	105	456369	49.618	ug/l	99
86) p-Isopropyltoluene	12.006	119	400256	50.829	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	211093	48.539	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	212110	47.879	ug/l	99
89) n-Butylbenzene	12.329	91	332867	51.670	ug/l	99
90) Hexachloroethane	12.536	117	59936	46.271	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	205484	48.965	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24227	46.129	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	150367	53.193	ug/l	99
94) Hexachlorobutadiene	13.725	225	72783	52.562	ug/l	99
95) Naphthalene	13.774	128	422000	51.890	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	146666	51.852	ug/l	100

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

