

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035732.D
 Acq On : 18 May 2023 10:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

Quant Time: May 19 05:44:50 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	5.544	168	185252	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	339279	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	311060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	179618	55.578	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.160%			
35) Dibromofluoromethane	5.379	113	121626	53.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.320%			
50) Toluene-d8	8.647	98	430727	50.957	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.920%			
62) 4-Bromofluorobenzene	11.079	95	182528	53.630	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	119440	49.472	ug/l	98
3) Chloromethane	1.295	50	136526	46.598	ug/l	99
4) Vinyl Chloride	1.374	62	123785	49.783	ug/l	96
5) Bromomethane	1.618	94	79893	59.327	ug/l	100
6) Chloroethane	1.691	64	76438	50.674	ug/l	97
7) Trichlorofluoromethane	1.886	101	176537	48.286	ug/l	99
8) Diethyl Ether	2.130	74	78607	55.841	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	103987	47.905	ug/l	95
10) Methyl Iodide	2.453	142	122138	62.913	ug/l	90
11) Tert butyl alcohol	3.014	59	149223m	261.715	ug/l	
12) 1,1-Dichloroethene	2.319	96	99188	48.079	ug/l	89
13) Acrolein	2.240	56	163803	242.052	ug/l	100
14) Allyl chloride	2.660	41	224587	50.815	ug/l	94
15) Acrylonitrile	3.069	53	355075	282.807	ug/l	99
16) Acetone	2.398	43	413433	297.645	ug/l	95
17) Carbon Disulfide	2.514	76	233846	46.967	ug/l	99
18) Methyl Acetate	2.703	43	299026	58.373	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	437638	53.309	ug/l	99
20) Methylene Chloride	2.788	84	129633	51.495	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	113779	50.332	ug/l	93
22) Diisopropyl ether	3.758	45	459550	53.106	ug/l	90
23) Vinyl Acetate	3.715	43	1688747	275.807	ug/l	98
24) 1,1-Dichloroethane	3.605	63	243010	52.508	ug/l	97
25) 2-Butanone	4.562	43	549415	285.733	ug/l	99
26) 2,2-Dichloropropane	4.471	77	200843	51.247	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	140651	51.757	ug/l	93
28) Bromochloromethane	4.898	49	115294	55.385	ug/l	94
29) Tetrahydrofuran	5.013	42	334435	276.721	ug/l	98
30) Chloroform	5.087	83	250871	52.899	ug/l	100
31) Cyclohexane	5.465	56	190512	46.658	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	205932	49.907	ug/l	98
36) 1,1-Dichloropropene	5.690	75	172043	47.635	ug/l	98
37) Ethyl Acetate	4.709	43	202790	53.832	ug/l	100
38) Carbon Tetrachloride	5.678	117	166270	48.599	ug/l	99
39) Methylcyclohexane	7.373	83	191644	45.078	ug/l	92
40) Benzene	6.032	78	507490	50.228	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	117627	52.591	ug/l	96
42) 1,2-Dichloroethane	6.086	62	227246	52.285	ug/l	96
43) Isopropyl Acetate	6.336	43	347512	52.903	ug/l	99
44) Trichloroethene	7.123	130	121998	47.620	ug/l	93
45) 1,2-Dichloropropane	7.428	63	139297	52.056	ug/l	97
46) Dibromomethane	7.580	93	98219	53.622	ug/l	93
47) Bromodichloromethane	7.818	83	189187	53.437	ug/l	99
48) Methyl methacrylate	7.690	41	175377	54.098	ug/l	96
49) 1,4-Dioxane	7.732	88	64616	983.160	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	1034255	273.294	ug/l	98
52) Toluene	8.714	92	319668	50.122	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	214924	55.876	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	224034	54.363	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	132761	52.999	ug/l	99
56) Ethyl methacrylate	9.116	69	217693	53.664	ug/l	96
57) 1,3-Dichloropropane	9.305	76	240083	52.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	476865	231.076	ug/l	99
59) 2-Hexanone	9.427	43	800811	280.985	ug/l	98
60) Dibromochloromethane	9.519	129	131829	55.209	ug/l	98
61) 1,2-Dibromoethane	9.610	107	140521	53.243	ug/l	100
64) Tetrachloroethene	9.275	164	95845	45.767	ug/l	95
65) Chlorobenzene	10.080	112	338459	49.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	123008	51.233	ug/l	98
67) Ethyl Benzene	10.189	91	623361	48.813	ug/l	95
68) m/p-Xylenes	10.299	106	466555	98.839	ug/l	95
69) o-Xylene	10.640	106	234104	49.979	ug/l	95
70) Styrene	10.653	104	389416	51.584	ug/l	98
71) Bromoform	10.799	173	83366	52.773	ug/l #	99
73) Isopropylbenzene	10.964	105	594780	46.996	ug/l	98
74) N-amyl acetate	10.842	43	295033	49.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	204985	49.930	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	180451m	49.119	ug/l	
77) Bromobenzene	11.195	156	138922	48.362	ug/l	91
78) n-propylbenzene	11.305	91	710655	47.768	ug/l	98
79) 2-Chlorotoluene	11.360	91	444332	47.704	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	516584	48.025	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	59169	51.907	ug/l	89
82) 4-Chlorotoluene	11.451	91	522261	48.687	ug/l	98
83) tert-Butylbenzene	11.713	119	486019	46.483	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	527017	48.795	ug/l	98
85) sec-Butylbenzene	11.890	105	605389	46.114	ug/l	98
86) p-Isopropyltoluene	12.006	119	512830	47.516	ug/l	98
87) 1,3-Dichlorobenzene	11.970	146	267654	49.049	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	270077	49.013	ug/l	98
89) n-Butylbenzene	12.329	91	464368	47.298	ug/l	97
90) Hexachloroethane	12.536	117	77292	47.249	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	262462	49.116	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45978	50.293	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	154725	48.088	ug/l	98
94) Hexachlorobutadiene	13.725	225	56232	44.031	ug/l	100
95) Naphthalene	13.774	128	547527	49.691	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	153667	48.561	ug/l	98

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

