

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054300.D
 Acq On : 26 May 2023 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2023
 Supervised By : Mahesh Dadoda 05/31/2023

Quant Time: May 30 00:08:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.366	168	219361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	354092	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	336589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	184182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	144882	50.383	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.760%			
35) Dibromofluoromethane	5.282	113	117123	51.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	7.893	98	441809	50.938	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.880%			
62) 4-Bromofluorobenzene	10.626	95	165994	49.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	126656	51.721	ug/l	99
3) Chloromethane	1.517	50	158575	49.455	ug/l	97
4) Vinyl Chloride	1.604	62	160353	52.414	ug/l	100
5) Bromomethane	1.845	94	74125	43.770	ug/l	98
6) Chloroethane	1.922	64	97672	66.201	ug/l	99
7) Trichlorofluoromethane	2.131	101	206137	48.976	ug/l	99
8) Diethyl Ether	2.372	74	78718	50.520	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.575	101	115404	50.642	ug/l	95
10) Methyl Iodide	2.719	142	143995	52.621	ug/l	96
11) Tert butyl alcohol	3.227	59	154788m	199.274	ug/l	
12) 1,1-Dichloroethene	2.575	96	114717	48.618	ug/l	96
13) Acrolein	2.481	56	158574	196.238	ug/l	100
14) Allyl chloride	2.916	41	195926	47.890	ug/l	90
15) Acrylonitrile	3.305	53	379907	218.142	ug/l	99
16) Acetone	2.623	43	283090	171.745	ug/l	97
17) Carbon Disulfide	2.787	76	337070	48.337	ug/l	100
18) Methyl Acetate	2.941	43	265427	44.102	ug/l	95
19) Methyl tert-butyl Ether	3.356	73	383232	49.618	ug/l	99
20) Methylene Chloride	3.041	84	146509	49.269	ug/l	96
21) trans-1,2-Dichloroethene	3.346	96	127392	50.429	ug/l	95
22) Diisopropyl ether	3.983	45	382358	52.730	ug/l #	76
23) Vinyl Acetate	3.944	43	1366470	258.256	ug/l	98
24) 1,1-Dichloroethane	3.861	63	236467	50.929	ug/l	99
25) 2-Butanone	4.694	43	461627	211.525	ug/l	98
26) 2,2-Dichloropropane	4.655	77	176327	43.455	ug/l	100
27) cis-1,2-Dichloroethene	4.658	96	143836	51.184	ug/l	96
28) Bromochloromethane	4.964	49	112667	52.437	ug/l	86
29) Tetrahydrofuran	5.044	42	297988	217.225	ug/l	93
30) Chloroform	5.079	83	234298	49.641	ug/l	99
31) Cyclohexane	5.378	56	200260	49.320	ug/l	92
32) 1,1,1-Trichloroethane	5.308	97	205740	50.210	ug/l	99
36) 1,1-Dichloropropene	5.520	75	172555	48.179	ug/l	97
37) Ethyl Acetate	4.797	43	180829	41.428	ug/l #	92
38) Carbon Tetrachloride	5.517	117	179734	49.029	ug/l	99
39) Methylcyclohexane	6.758	83	197386	48.657	ug/l	94
40) Benzene	5.768	78	510082	49.930	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	93330	46.264	ug/l	94
42) 1,2-Dichloroethane	5.787	62	182534	49.185	ug/l	98
43) Isopropyl Acetate	5.903	43	281033	46.678	ug/l	98
44) Trichloroethene	6.536	130	141028	49.384	ug/l	95
45) 1,2-Dichloropropane	6.784	63	134519	50.475	ug/l	99
46) Dibromomethane	6.912	93	96651	49.268	ug/l	94
47) Bromodichloromethane	7.099	83	182327	49.698	ug/l	99
48) Methyl methacrylate	6.954	41	129278	48.418	ug/l	95
49) 1,4-Dioxane	6.973	88	65129	844.936	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	901523	224.379	ug/l	99
52) Toluene	7.964	92	320006	49.126	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	205261	48.903	ug/l	100
54) cis-1,3-Dichloropropene	7.600	75	215361	49.166	ug/l	98
55) 1,1,2-Trichloroethane	8.394	97	128899	47.748	ug/l	98
56) Ethyl methacrylate	8.327	69	199233	49.580	ug/l	96
57) 1,3-Dichloropropane	8.568	76	226597	48.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	39435	153.063	ug/l	98
59) 2-Hexanone	8.677	43	687296	216.545	ug/l	99
60) Dibromochloromethane	8.803	129	137307	50.062	ug/l	99
61) 1,2-Dibromoethane	8.919	107	144987	49.348	ug/l	98
64) Tetrachloroethene	8.549	164	129189	50.997	ug/l	97
65) Chlorobenzene	9.443	112	342533	48.679	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.526	131	127364	49.894	ug/l	98
67) Ethyl Benzene	9.565	91	607904	50.532	ug/l	98
68) m/p-Xylenes	9.687	106	471080	103.308	ug/l	94
69) o-Xylene	10.095	106	227084	51.444	ug/l	93
70) Styrene	10.108	104	387101	52.880	ug/l	98
71) Bromoform	10.285	173	107083	48.273	ug/l #	98
73) Isopropylbenzene	10.478	105	588986	51.635	ug/l	97
74) N-amyl acetate	10.314	43	247791	51.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	220039	47.674	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	243002	45.205	ug/l	98
77) Bromobenzene	10.777	156	155039	49.496	ug/l	92
78) n-propylbenzene	10.899	91	724649	51.860	ug/l	97
79) 2-Chlorotoluene	10.980	91	427583	50.544	ug/l	95
80) 1,3,5-Trimethylbenzene	11.082	105	509423	52.516	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.539	75	64341	45.578	ug/l	98
82) 4-Chlorotoluene	11.092	91	503442	50.720	ug/l	96
83) tert-Butylbenzene	11.414	119	490497	50.566	ug/l	94
84) 1,2,4-Trimethylbenzene	11.462	105	505353	52.365	ug/l	98
85) sec-Butylbenzene	11.639	105	633836	51.496	ug/l	99
86) p-Isopropyltoluene	11.787	119	533692	51.552	ug/l	98
87) 1,3-Dichlorobenzene	11.738	146	297020	48.973	ug/l	98
88) 1,4-Dichlorobenzene	11.828	146	301033	47.511	ug/l	99
89) n-Butylbenzene	12.201	91	480231	49.281	ug/l	98
90) Hexachloroethane	12.468	117	90426	49.374	ug/l	91
91) 1,2-Dichlorobenzene	12.205	146	296812	49.746	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.989	75	49626	47.145	ug/l	89
93) 1,2,4-Trichlorobenzene	13.835	180	212129	50.071	ug/l	99
94) Hexachlorobutadiene	14.015	225	91912	46.866	ug/l	99
95) Naphthalene	14.079	128	666005	48.934	ug/l	99
96) 1,2,3-Trichlorobenzene	14.323	180	215683	51.350	ug/l	97

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

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