

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054274.D
 Acq On : 26 May 2023 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: May 29 23:51:53 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	5.369	168	173456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	271594	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	268810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	147556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.693	65	118156	51.963	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.920%			
35) Dibromofluoromethane	5.282	113	92139	52.681	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.360%			
50) Toluene-d8	7.893	98	353430	53.126	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.260%			
62) 4-Bromofluorobenzene	10.629	95	136630	52.967	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	100658	51.983	ug/l	99
3) Chloromethane	1.520	50	122693	48.391	ug/l	98
4) Vinyl Chloride	1.604	62	121649	50.286	ug/l	99
5) Bromomethane	1.854	94	60357	45.072	ug/l	99
6) Chloroethane	1.925	64	50538	43.320	ug/l	95
7) Trichlorofluoromethane	2.128	101	155396	46.691	ug/l	97
8) Diethyl Ether	2.372	74	62316	50.578	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.575	101	90551	50.252	ug/l	95
10) Methyl Iodide	2.716	142	92203	43.055	ug/l	96
11) Tert butyl alcohol	3.288	59	156948m	255.529	ug/l	
12) 1,1-Dichloroethene	2.571	96	86724	46.482	ug/l	96
13) Acrolein	2.481	56	156036	244.200	ug/l	98
14) Allyl chloride	2.915	41	156179	48.278	ug/l	87
15) Acrylonitrile	3.311	53	374721	272.108	ug/l	98
16) Acetone	2.633	43	411812	315.957	ug/l	98
17) Carbon Disulfide	2.787	76	248504	45.068	ug/l	100
18) Methyl Acetate	2.944	43	248705	52.260	ug/l	95
19) Methyl tert-butyl Ether	3.356	73	294749	48.261	ug/l	97
20) Methylene Chloride	3.041	84	115489	49.115	ug/l	95
21) trans-1,2-Dichloroethene	3.346	96	96188	48.154	ug/l	99
22) Diisopropyl ether	3.986	45	290480	50.661	ug/l #	74
23) Vinyl Acetate	3.948	43	1090759	260.705	ug/l	98
24) 1,1-Dichloroethane	3.861	63	181706	49.491	ug/l	99
25) 2-Butanone	4.700	43	504008	292.064	ug/l	97
26) 2,2-Dichloropropane	4.655	77	149031	46.448	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	109454	49.257	ug/l	96
28) Bromochloromethane	4.967	49	89374	52.605	ug/l	85
29) Tetrahydrofuran	5.047	42	297812	274.551	ug/l	93
30) Chloroform	5.083	83	177912	47.670	ug/l	98
31) Cyclohexane	5.382	56	151292	47.121	ug/l	95
32) 1,1,1-Trichloroethane	5.308	97	155754	48.071	ug/l	99
36) 1,1-Dichloropropene	5.520	75	129568	47.165	ug/l	98
37) Ethyl Acetate	4.796	43	172212	51.438	ug/l #	94
38) Carbon Tetrachloride	5.520	117	135681	48.254	ug/l	98
39) Methylcyclohexane	6.758	83	152167	48.904	ug/l	90
40) Benzene	5.767	78	390733	49.865	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	85548	55.288	ug/l	91
42) 1,2-Dichloroethane	5.787	62	142877	50.194	ug/l	99
43) Isopropyl Acetate	5.906	43	234601	50.802	ug/l	98
44) Trichloroethene	6.536	130	103578	47.287	ug/l	92
45) 1,2-Dichloropropane	6.783	63	103491	50.628	ug/l	98
46) Dibromomethane	6.912	93	76257	50.680	ug/l	93
47) Bromodichloromethane	7.099	83	137905	49.008	ug/l	100
48) Methyl methacrylate	6.957	41	109144	53.294	ug/l	95
49) 1,4-Dioxane	7.002	88	64354	1088.482	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	841418	273.031	ug/l	99
52) Toluene	7.963	92	248647	49.765	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	160974	50.001	ug/l	99
54) cis-1,3-Dichloropropene	7.600	75	169702	50.510	ug/l	98
55) 1,1,2-Trichloroethane	8.394	97	102995	49.741	ug/l	99
56) Ethyl methacrylate	8.330	69	158319	51.366	ug/l	96
57) 1,3-Dichloropropane	8.571	76	179454	50.326	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.459	63	37148	187.983	ug/l	100
59) 2-Hexanone	8.687	43	675337	277.409	ug/l	99
60) Dibromochloromethane	8.806	129	107676	51.183	ug/l	100
61) 1,2-Dibromoethane	8.918	107	114037	50.604	ug/l	99
64) Tetrachloroethene	8.549	164	102467	50.648	ug/l	98
65) Chlorobenzene	9.443	112	270047	48.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.529	131	100973	49.529	ug/l	98
67) Ethyl Benzene	9.565	91	471297	49.055	ug/l	97
68) m/p-Xylenes	9.690	106	362430	99.522	ug/l	92
69) o-Xylene	10.095	106	173788	49.297	ug/l	92
70) Styrene	10.111	104	299690	51.262	ug/l	97
71) Bromoform	10.288	173	89730	50.650	ug/l #	98
73) Isopropylbenzene	10.481	105	459367	50.268	ug/l	98
74) N-amyl acetate	10.317	43	192056	49.496	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.780	83	181780	49.160	ug/l	99
76) 1,2,3-Trichloropropane	10.822	75	215863	50.124	ug/l	98
77) Bromobenzene	10.780	156	123562	49.239	ug/l	93
78) n-propylbenzene	10.902	91	567703	50.713	ug/l	98
79) 2-Chlorotoluene	10.983	91	342037	50.467	ug/l	95
80) 1,3,5-Trimethylbenzene	11.082	105	399912	51.460	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.542	75	57086	50.477	ug/l	95
82) 4-Chlorotoluene	11.092	91	396754	49.893	ug/l	97
83) tert-Butylbenzene	11.417	119	377227	48.542	ug/l	96
84) 1,2,4-Trimethylbenzene	11.462	105	402609	52.073	ug/l	97
85) sec-Butylbenzene	11.639	105	487324	49.420	ug/l	100
86) p-Isopropyltoluene	11.790	119	416835	50.259	ug/l	98
87) 1,3-Dichlorobenzene	11.741	146	233665	48.090	ug/l	98
88) 1,4-Dichlorobenzene	11.832	146	235040	46.303	ug/l	98
89) n-Butylbenzene	12.204	91	366155	46.901	ug/l	98
90) Hexachloroethane	12.468	117	70713	48.194	ug/l	91
91) 1,2-Dichlorobenzene	12.208	146	229723	48.059	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.992	75	44777	53.097	ug/l	90
93) 1,2,4-Trichlorobenzene	13.835	180	154858	45.771	ug/l	99
94) Hexachlorobutadiene	14.015	225	73817	46.981	ug/l	99
95) Naphthalene	14.079	128	497625	45.772	ug/l	99
96) 1,2,3-Trichlorobenzene	14.323	180	153258	45.687	ug/l	99

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

