

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051865.D
 Acq On : 15 Nov 2022 17:35
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:23:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	355618	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	343390	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	123775	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	85181	48.791	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.580%		
7) Chloroethane-d5	1.900	69	86512	49.458	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.920%		
11) 1,1-Dichloroethene-d2	2.562	63	104613	33.415	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.840%		
21) 2-Butanone-d5	4.617	46	225607	113.643	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	113.640%		
24) Chloroform-d	5.060	84	200840	45.891	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.780%		
26) 1,2-Dichloroethane-d4	5.700	65	125119	46.703	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.400%		
32) Benzene-d6	5.726	84	355207	49.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.220%		
36) 1,2-Dichloropropane-d6	6.687	67	135322	50.776	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.560%		
41) Toluene-d8	7.896	98	262906	44.736	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.480%		
43) trans-1,3-Dichloroprop...	8.176	79	47107	44.376	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.760%		
47) 2-Hexanone-d5	8.629	63	141752	104.655	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.660%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	254584	49.081	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.160%		
66) 1,2-Dichlorobenzene-d4	12.189	152	115914	53.215	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5345	2.448	ug/L	99
3) Chloromethane	1.524	50	9912	3.419	ug/L	99
5) Vinyl chloride	1.604	62	7926	2.635	ug/L #	1
6) Bromomethane	1.835	94	3276	2.514	ug/L	96
8) Chloroethane	1.922	64	4925	2.519	ug/L	95
9) Trichlorofluoromethane	2.131	101	8877	2.465	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	6709	2.957	ug/L	92
12) 1,1-Dichloroethene	2.575	96	5814	2.743	ug/L #	1
13) Acetone	2.623	43	12439	5.857	ug/L	100
14) Carbon disulfide	2.790	76	14037	2.391	ug/L	98
15) Methyl Acetate	2.948	43	7524	2.598	ug/L	94
16) Methylene chloride	3.044	84	7455	2.204	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	4896	2.144	ug/L	94
18) Methyl tert-butyl Ether	3.360	73	15617	2.209	ug/L #	89
19) 1,1-Dichloroethane	3.868	63	10486	2.256	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	6074	2.279	ug/L	93
22) 2-Butanone	4.713	43	12022m	5.012	ug/L	
23) Bromochloromethane	4.974	128	3243	2.205	ug/L	92
27) 1,2-Dichloroethane	5.797	62	8700	2.427	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.382	56	6788	2.317	ug/L	92
30) 1,1,1-Trichloroethane	5.311	97	8032	2.314	ug/L	97
31) Carbon tetrachloride	5.523	117	7048	2.428	ug/L	91
33) Benzene	5.774	78	24720	2.503	ug/L	100
35) Methylcyclohexane	6.761	83	7733	2.437	ug/L	94
37) 1,2-Dichloropropane	6.787	63	6645	2.376	ug/L #	93
38) Bromodichloromethane	7.105	83	8124	2.322	ug/L #	93
39) cis-1,3-Dichloropropene	7.604	75	7909	2.162	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	15861	4.306	ug/L	99
42) Toluene	7.970	91	22418	2.207	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	7587	2.164	ug/L	95
45) 1,1,2-Trichloroethane	8.398	97	6613	2.327	ug/L	97
46) Tetrachloroethene	8.552	164	4937	2.642	ug/L	97
48) 2-Hexanone	8.684	43	19954	6.308	ug/L #	85
49) Dibromochloromethane	8.809	129	6357	2.169	ug/L	93
50) 1,2-Dibromoethane	8.922	107	6179	2.160	ug/L	97
51) Chlorobenzene	9.443	112	15377	2.215	ug/L	99
52) Ethylbenzene	9.568	91	19226	1.849	ug/L	97
53) m,p-Xylene	9.694	106	7624	1.894	ug/L	83
54) o-Xylene	10.099	106	6766	1.652	ug/L	96
55) Styrene	10.115	104	10003	1.415	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	12941	2.409	ug/L	96
59) Bromoform	10.288	173	4520	2.693	ug/L	95
60) 1,2,3-Trichloropropane	10.822	75	9068	3.063	ug/L	96
61) Isopropylbenzene	10.485	105	16374	2.263	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	11068	1.878	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	10141	1.761	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	8479	2.313	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	8168	2.200	ug/L	94
67) 1,2-Dichlorobenzene	12.208	146	9702	2.488	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.993	75	2167	2.859	ug/L	86
69) 1,3,5-Trichlorobenzene	13.221	180	5153	2.118	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	3727	1.933	ug/L	96
71) Naphthalene	14.089	128	11928m	1.881	ug/L	

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

