

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051894.D
 Acq On : 17 Nov 2022 14:14
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 01:17:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	489572	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	485732	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	192898	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	103686	43.140	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.280%		
7) Chloroethane-d5	1.906	69	112853	46.864	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.720%		
11) 1,1-Dichloroethene-d2	2.565	63	133307	30.930	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.860%		
21) 2-Butanone-d5	4.617	46	270366	98.926	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.930%		
24) Chloroform-d	5.060	84	275525	45.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.460%		
26) 1,2-Dichloroethane-d4	5.700	65	175201	47.504	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.000%		
32) Benzene-d6	5.726	84	488028	48.187	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.380%		
36) 1,2-Dichloropropane-d6	6.687	67	184216	48.866	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.740%		
41) Toluene-d8	7.896	98	373837	44.971	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.940%		
43) trans-1,3-Dichloroprop...	8.176	79	68893	45.881	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.760%		
47) 2-Hexanone-d5	8.629	63	182388	95.196	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.200%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	340191	46.366	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.740%		
66) 1,2-Dichlorobenzene-d4	12.189	152	178327	52.532	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.060%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	7812	2.599	ug/L	98
3) Chloromethane	1.527	50	12627	3.163	ug/L	98
5) Vinyl chloride	1.604	62	10603	2.561	ug/L #	30
6) Bromomethane	1.845	94	4883	2.722	ug/L	99
8) Chloroethane	1.929	64	6404	2.379	ug/L	96
9) Trichlorofluoromethane	2.134	101	12541	2.530	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	9272	2.968	ug/L	89
12) 1,1-Dichloroethene	2.578	96	8594	2.946	ug/L #	1
13) Acetone	2.623	43	11004	3.763	ug/L	100
14) Carbon disulfide	2.790	76	20407	2.525	ug/L	97
15) Methyl Acetate	2.951	43	10051	2.521	ug/L	99
16) Methylene chloride	3.044	84	14859	3.190	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	7822	2.488	ug/L	92
18) Methyl tert-butyl Ether	3.359	73	23084	2.372	ug/L	96
19) 1,1-Dichloroethane	3.867	63	16324	2.551	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	9484	2.585	ug/L	96
22) 2-Butanone	4.710	43	15717m	4.759	ug/L	
23) Bromochloromethane	4.977	128	4915	2.427	ug/L	98
27) 1,2-Dichloroethane	5.793	62	13624	2.761	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051894.D
 Acq On : 17 Nov 2022 14:14
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 01:17:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.382	56	9705	2.342	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	12804	2.607	ug/L	99
31) Carbon tetrachloride	5.523	117	10824	2.636	ug/L	95
33) Benzene	5.774	78	36251	2.595	ug/L	100
35) Methylcyclohexane	6.761	83	11533	2.570	ug/L	94
37) 1,2-Dichloropropane	6.790	63	10414	2.632	ug/L #	95
38) Bromodichloromethane	7.105	83	12125	2.450	ug/L	96
39) cis-1,3-Dichloropropene	7.604	75	12798	2.473	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	23273	4.467	ug/L	95
42) Toluene	7.970	91	34810	2.422	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	12239m	2.468	ug/L	
45) 1,1,2-Trichloroethane	8.401	97	10237	2.546	ug/L	93
46) Tetrachloroethene	8.549	164	6401	2.421	ug/L	89
49) Dibromochloromethane	8.806	129	10287	2.482	ug/L	100
50) 1,2-Dibromoethane	8.922	107	10293	2.543	ug/L	89
51) Chlorobenzene	9.443	112	23892	2.433	ug/L	98
52) Ethylbenzene	9.568	91	32951	2.240	ug/L	97
53) m,p-Xylene	9.693	106	11255	1.977	ug/L	89
54) o-Xylene	10.099	106	11195	1.932	ug/L	100
55) Styrene	10.115	104	16829	1.683	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	19232	2.531	ug/L #	98
59) Bromoform	10.288	173	7339	2.806	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	13891	3.010	ug/L	98
61) Isopropylbenzene	10.481	105	25475	2.260	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	19596	2.133	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	17396	1.938	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	13830	2.420	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	14626	2.528	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	17001	2.798	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	3484	2.949	ug/L	95
69) 1,3,5-Trichlorobenzene	13.217	180	9221	2.432	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	7207	2.398	ug/L	97
71) Naphthalene	14.089	128	20596m	2.084	ug/L	
72) 1,2,3-Trichlorobenzene	14.330	180	7310	2.223	ug/L	97

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

