

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051893.D
 Acq On : 17 Nov 2022 13:50
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Nov 18 01:17:17 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	473471	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	470792	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	195906	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99815	42.942	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.880%		
7) Chloroethane-d5	1.903	69	106911	45.907	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.820%		
11) 1,1-Dichloroethene-d2	2.565	63	126822	30.426	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.860%		
21) 2-Butanone-d5	4.616	46	260667	98.621	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.620%		
24) Chloroform-d	5.060	84	270128	46.359	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
26) 1,2-Dichloroethane-d4	5.700	65	168843	47.337	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.680%		
32) Benzene-d6	5.726	84	475138	48.403	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.800%		
36) 1,2-Dichloropropane-d6	6.687	67	178453	48.839	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.680%		
41) Toluene-d8	7.896	98	363188	45.076	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.160%		
43) trans-1,3-Dichloroprop...	8.176	79	68108	46.797	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.600%		
47) 2-Hexanone-d5	8.629	63	176153	94.859	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.860%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	332940	46.818	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.640%		
66) 1,2-Dichlorobenzene-d4	12.192	152	179352	52.022	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6645	2.286	ug/L	100
3) Chloromethane	1.526	50	12348	3.199	ug/L	97
5) Vinyl chloride	1.604	62	10805	2.698	ug/L #	22
6) Bromomethane	1.842	94	5048	2.910	ug/L	95
8) Chloroethane	1.925	64	7648	2.938	ug/L	94
9) Trichlorofluoromethane	2.134	101	11935	2.490	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	9294	3.076	ug/L	86
12) 1,1-Dichloroethene	2.578	96	7821	2.772	ug/L #	1
13) Acetone	2.626	43	10707	3.786	ug/L	100
14) Carbon disulfide	2.790	76	19262	2.464	ug/L	99
15) Methyl Acetate	2.951	43	9365	2.429	ug/L	94
16) Methylene chloride	3.044	84	14820	3.290	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	7573	2.490	ug/L	92
18) Methyl tert-butyl Ether	3.362	73	22136	2.352	ug/L #	84
19) 1,1-Dichloroethane	3.867	63	14700	2.375	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	9302	2.621	ug/L	99
22) 2-Butanone	4.722	43	14036m	4.395	ug/L	
23) Bromochloromethane	4.976	128	5051	2.579	ug/L	90
27) 1,2-Dichloroethane	5.793	62	13041	2.733	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.388	56	8984	2.237	ug/L	93
30) 1,1,1-Trichloroethane	5.314	97	11888	2.498	ug/L	91
31) Carbon tetrachloride	5.523	117	10621	2.669	ug/L	96
33) Benzene	5.774	78	35457	2.618	ug/L	100
35) Methylcyclohexane	6.761	83	10715	2.463	ug/L	96
37) 1,2-Dichloropropane	6.790	63	9906	2.583	ug/L #	94
38) Bromodichloromethane	7.105	83	12501	2.606	ug/L	96
39) cis-1,3-Dichloropropene	7.607	75	11689	2.330	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	21581	4.274	ug/L	96
42) Toluene	7.967	91	33173	2.382	ug/L	94
44) trans-1,3-Dichloropropene	8.208	75	11677m	2.429	ug/L	
45) 1,1,2-Trichloroethane	8.398	97	10291	2.641	ug/L	97
46) Tetrachloroethene	8.552	164	6392	2.495	ug/L	92
49) Dibromochloromethane	8.806	129	9840	2.449	ug/L	99
50) 1,2-Dibromoethane	8.922	107	9666	2.464	ug/L #	89
51) Chlorobenzene	9.443	112	23925	2.514	ug/L	93
52) Ethylbenzene	9.568	91	31322	2.197	ug/L	95
53) m,p-Xylene	9.693	106	11762	2.132	ug/L	99
54) o-Xylene	10.098	106	11044	1.967	ug/L	96
55) Styrene	10.115	104	16315	1.684	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.780	83	18340	2.491	ug/L #	93
59) Bromoform	10.288	173	7623	2.870	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	13438	2.868	ug/L	97
61) Isopropylbenzene	10.484	105	25717	2.246	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	18226	1.954	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	17286	1.896	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	14430	2.487	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	14768	2.513	ug/L	95
67) 1,2-Dichlorobenzene	12.211	146	16951	2.747	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	3092	2.577	ug/L	96
69) 1,3,5-Trichlorobenzene	13.220	180	9311	2.418	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	6952	2.278	ug/L	96
71) Naphthalene	14.089	128	20079	2.001	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	7767	2.325	ug/L #	93

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

