

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051881.D
 Acq On : 16 Nov 2022 13:58
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/17/2022
 Supervised By :Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 01:41:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 17 01:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	504571	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	496068	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	197382	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	109670	44.274	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.540%		
7) Chloroethane-d5	1.903	69	115574	46.568	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.140%		
11) 1,1-Dichloroethene-d2	2.562	63	137257	30.900	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.800%		
21) 2-Butanone-d5	4.616	46	278066	98.719	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.720%		
24) Chloroform-d	5.060	84	282884	45.556	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.120%		
26) 1,2-Dichloroethane-d4	5.700	65	179103	47.118	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.240%		
32) Benzene-d6	5.726	84	507211	49.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.080%		
36) 1,2-Dichloropropane-d6	6.690	67	191697	49.791	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.580%		
41) Toluene-d8	7.896	98	389472	45.875	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.760%		
43) trans-1,3-Dichloroprop...	8.176	79	69851	45.550	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.100%		
47) 2-Hexanone-d5	8.629	63	186895	95.516	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.520%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	345272	46.078	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.160%		
66) 1,2-Dichlorobenzene-d4	12.192	152	182581	52.563	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	6816	2.200	ug/L	91
3) Chloromethane	1.523	50	11947	2.904	ug/L	96
5) Vinyl chloride	1.604	62	9556	2.239	ug/L #	1
6) Bromomethane	1.842	94	4167	2.254	ug/L	90
8) Chloroethane	1.925	64	6031	2.174	ug/L	93
9) Trichlorofluoromethane	2.134	101	10890	2.132	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8557	2.658	ug/L	84
12) 1,1-Dichloroethene	2.575	96	7599	2.527	ug/L #	1
13) Acetone	2.623	43	9848	3.268	ug/L	96
14) Carbon disulfide	2.790	76	17269	2.073	ug/L	96
15) Methyl Acetate	2.948	43	8908	2.168	ug/L	97
16) Methylene chloride	3.047	84	12886	2.684	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	6616	2.042	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	20369	2.031	ug/L	97
19) 1,1-Dichloroethane	3.867	63	14396	2.183	ug/L	95
20) cis-1,2-Dichloroethene	4.668	96	7941	2.100	ug/L	92
22) 2-Butanone	4.716	43	13570m	3.987	ug/L	
23) Bromochloromethane	4.973	128	4672	2.239	ug/L	89
27) 1,2-Dichloroethane	5.793	62	11088	2.180	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.382	56	9146	2.161	ug/L #	94
30) 1,1,1-Trichloroethane	5.311	97	10252	2.044	ug/L	94
31) Carbon tetrachloride	5.523	117	9156	2.184	ug/L	98
33) Benzene	5.771	78	32399	2.271	ug/L	100
35) Methylcyclohexane	6.758	83	9465m	2.065	ug/L	
37) 1,2-Dichloropropane	6.790	63	9089	2.249	ug/L #	98
38) Bromodichloromethane	7.105	83	10736	2.124	ug/L	96
39) cis-1,3-Dichloropropene	7.607	75	10978	2.077	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	19656	3.694	ug/L	95
42) Toluene	7.967	91	30838	2.101	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	10660m	2.105	ug/L	
45) 1,1,2-Trichloroethane	8.398	97	8697	2.118	ug/L	94
46) Tetrachloroethene	8.552	164	5732	2.123	ug/L	95
49) Dibromochloromethane	8.809	129	8546	2.019	ug/L	92
50) 1,2-Dibromoethane	8.922	107	8912	2.156	ug/L #	95
51) Chlorobenzene	9.446	112	21593	2.153	ug/L	99
52) Ethylbenzene	9.568	91	28444	1.894	ug/L	99
53) m,p-Xylene	9.693	106	9985	1.717	ug/L	94
54) o-Xylene	10.095	106	10064	1.701	ug/L	92
55) Styrene	10.115	104	14966	1.466	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	17173	2.213	ug/L #	96
59) Bromoform	10.288	173	6314	2.359	ug/L #	97
60) 1,2,3-Trichloropropane	10.822	75	11465	2.428	ug/L	95
61) Isopropylbenzene	10.481	105	22175	1.922	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	16963	1.805	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	14578	1.587	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	12623	2.159	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	13733	2.319	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	15009	2.414	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.995	75	2913	2.410	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.221	180	8262	2.130	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	6228	2.026	ug/L	99
71) Naphthalene	14.089	128	18860m	1.865	ug/L	
72) 1,2,3-Trichlorobenzene	14.330	180	6826	2.028	ug/L	96

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

