

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050724\
 Data File : VW035551.D
 Acq On : 07 May 2024 14:16
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: May 08 02:43:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	422795	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	441657	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	227048	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	121266	18.557	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.240%
7) Chloroethane-d5	1.529	69	105210	19.957	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.840%
11) 1,1-Dichloroethene-d2	2.053	65	57423	19.849	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.400%
21) 2-Butanone-d5	3.841	46	84365m	45.491	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.980%
24) Chloroform-d	4.246	84	262238	20.863	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.440%
26) 1,2-Dichloroethane-d4	4.940	65	136633	21.988	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.960%
32) Benzene-d6	4.956	84	497856	20.593	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.360%
36) 1,2-Dichloropropane-d6	5.989	67	162238	21.745	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.000%
41) Toluene-d8	7.243	98	424805	19.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.960%
43) trans-1,3-Dichloroprop...	7.554	79	62584	19.614	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.440%
47) 2-Hexanone-d5	8.033	63	56517	42.127	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.260%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	157542	21.913	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.640%
66) 1,2-Dichlorobenzene-d4	11.557	152	176575	22.409	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.640%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	10454	1.216	ug/L	100
3) Chloromethane	1.214	50	12266	1.421	ug/L	96
5) Vinyl chloride	1.278	62	11150	1.251	ug/L #	76
6) Bromomethane	1.487	94	7403	1.311	ug/L	98
8) Chloroethane	1.548	64	6852	1.247	ug/L	95
9) Trichlorofluoromethane	1.709	101	13472	1.158	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9704	1.322	ug/L	92
12) 1,1-Dichloroethene	2.066	96	9592	1.446	ug/L #	1
13) Acetone	2.143	43	7761m	2.859	ug/L	
14) Carbon disulfide	2.236	76	28621	1.362	ug/L	99
15) Methyl Acetate	2.400	43	4520m	1.099	ug/L	
16) Methylene chloride	2.445	84	43830	4.496	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	8479	1.152	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	18328	1.032	ug/L #	93
19) 1,1-Dichloroethane	3.111	63	15390	1.115	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	7850	0.983	ug/L	88
22) 2-Butanone	3.953	43	5231m	2.075	ug/L	
23) Bromochloromethane	4.153	128	4517m	1.170	ug/L	
25) Chloroform	4.278	83	18816	1.320	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.063	62	10043	1.132	ug/L #	92
29) Cyclohexane	4.577	56	10553	0.999	ug/L #	92
30) 1,1,1-Trichloroethane	4.516	97	13559	1.107	ug/L	98
31) Carbon tetrachloride	4.731	117	11827	1.101	ug/L	99
33) Benzene	5.014	78	31287	1.070	ug/L	100
34) Trichloroethene	5.841	95	8918	1.079	ug/L	96
35) Methylcyclohexane	6.043	83	14222m	1.133	ug/L	
37) 1,2-Dichloropropane	6.101	63	8915m	1.169	ug/L	
38) Bromodichloromethane	6.442	83	11228	1.087	ug/L	95
39) cis-1,3-Dichloropropene	6.966	75	12486	1.047	ug/L	90
40) 4-Methyl-2-pentanone	7.178	43	9996m	2.189	ug/L	
42) Toluene	7.323	91	32946	1.065	ug/L	97
44) trans-1,3-Dichloropropene	7.593	75	10805m	1.036	ug/L	
45) 1,1,2-Trichloroethane	7.779	97	6963	1.075	ug/L	91
46) Tetrachloroethene	7.908	164	7788	1.159	ug/L	93
48) 2-Hexanone	8.104	43	8581m	2.506	ug/L	
49) Dibromochloromethane	8.178	129	7978	1.091	ug/L	96
50) 1,2-Dibromoethane	8.294	107	7084	1.110	ug/L	91
51) Chlorobenzene	8.818	112	22736	1.059	ug/L	99
52) Ethylbenzene	8.950	91	32754	0.959	ug/L	98
53) m,p-Xylene	9.078	106	11916	0.920	ug/L	97
54) o-Xylene	9.480	106	10683	0.870	ug/L	99
55) Styrene	9.503	104	16920	0.790	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.175	83	8738	1.107	ug/L #	97
59) Bromoform	9.670	173	4941	1.107	ug/L #	94
60) Isopropylbenzene	9.869	105	29203	0.966	ug/L	97
61) 1,2,3-Trichloropropane	10.213	75	6475	1.217	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	20504	0.864	ug/L	94
63) 1,2,4-Trimethylbenzene	10.853	105	21004	0.861	ug/L	97
64) 1,3-Dichlorobenzene	11.123	146	17036	1.073	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	18896	1.150	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	18512	1.239	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	1617	1.310	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	13086	1.055	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	10669	1.030	ug/L	99
71) Naphthalene	13.445	128	17328m	0.953	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	9992	1.072	ug/L	97

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

