

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050724\
 Data File : VW035549.D
 Acq On : 07 May 2024 13:31
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: May 08 02:42:39 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	427339	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	440329	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	225299	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	131706	19.940	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.760%
7) Chloroethane-d5	1.529	69	113680	21.334	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.320%
11) 1,1-Dichloroethene-d2	2.053	65	60133	20.564	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.240%
21) 2-Butanone-d5	3.844	46	87432m	46.644	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.280%
24) Chloroform-d	4.246	84	272898	21.480	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.920%
26) 1,2-Dichloroethane-d4	4.940	65	141645	22.553	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	4.957	84	519023	21.533	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.120%
36) 1,2-Dichloropropane-d6	5.985	67	166484	22.381	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.520%
41) Toluene-d8	7.239	98	447207	20.847	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.554	79	67259	21.142	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.560%
47) 2-Hexanone-d5	8.030	63	60364	45.130	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.260%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	164719	22.980	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.920%
66) 1,2-Dichlorobenzene-d4	11.558	152	182871	23.388	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	10204	1.174	ug/L	99
3) Chloromethane	1.211	50	12175	1.396	ug/L	99
5) Vinyl chloride	1.278	62	11265	1.250	ug/L	83
6) Bromomethane	1.484	94	7298	1.279	ug/L	95
8) Chloroethane	1.545	64	6346	1.142	ug/L	89
9) Trichlorofluoromethane	1.709	101	13686	1.163	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	10046	1.354	ug/L	92
12) 1,1-Dichloroethene	2.063	96	9149	1.365	ug/L #	1
13) Acetone	2.156	43	7627m	2.780	ug/L	
14) Carbon disulfide	2.236	76	27733	1.306	ug/L	99
15) Methyl Acetate	2.394	43	5241m	1.261	ug/L	
16) Methylene chloride	2.442	84	43099	4.374	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	8384	1.127	ug/L	87
18) Methyl tert-butyl Ether	2.703	73	17551	0.978	ug/L	99
19) 1,1-Dichloroethane	3.111	63	14929	1.070	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	8270	1.025	ug/L	94
22) 2-Butanone	3.953	43	6538m	2.566	ug/L	
23) Bromochloromethane	4.156	128	4050m	1.038	ug/L	
25) Chloroform	4.275	83	18071	1.254	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.063	62	10249m	1.142	ug/L	
29) Cyclohexane	4.580	56	10540	1.001	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	13510	1.107	ug/L	100
31) Carbon tetrachloride	4.731	117	11351	1.060	ug/L	93
33) Benzene	5.014	78	31947	1.096	ug/L	100
34) Trichloroethene	5.841	95	9238	1.121	ug/L	96
35) Methylcyclohexane	6.046	83	12595	1.006	ug/L	94
37) 1,2-Dichloropropane	6.101	63	8318m	1.094	ug/L	
38) Bromodichloromethane	6.442	83	10849	1.053	ug/L	89
39) cis-1,3-Dichloropropene	6.966	75	12435m	1.046	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	10180m	2.236	ug/L	
42) Toluene	7.323	91	34039	1.104	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	11011m	1.058	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6831	1.057	ug/L	92
46) Tetrachloroethene	7.908	164	7447	1.112	ug/L	93
48) 2-Hexanone	8.095	43	8540m	2.501	ug/L	
49) Dibromochloromethane	8.181	129	7298	1.001	ug/L	92
50) 1,2-Dibromoethane	8.291	107	6195	0.973	ug/L #	92
51) Chlorobenzene	8.815	112	23480	1.097	ug/L	99
52) Ethylbenzene	8.953	91	32274	0.948	ug/L	97
53) m,p-Xylene	9.079	106	11949m	0.925	ug/L	
54) o-Xylene	9.480	106	10778m	0.880	ug/L	
55) Styrene	9.506	104	16563m	0.776	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	8808	1.119	ug/L #	96
59) Bromoform	9.670	173	4935	1.115	ug/L #	97
60) Isopropylbenzene	9.869	105	27684	0.922	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	6039	1.144	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	19457	0.826	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	19415	0.802	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	16118	1.023	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	19213	1.178	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	17090	1.153	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.371	75	1576	1.287	ug/L	95
69) 1,3,5-Trichlorobenzene	12.586	180	12755	1.036	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	10160	0.989	ug/L	95
71) Naphthalene	13.445	128	16386m	0.908	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8984	0.972	ug/L	99

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

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