

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050724\
 Data File : VW035550.D
 Acq On : 07 May 2024 13:53
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: May 08 02:43:11 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	417849	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	447581	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	230286	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	132445	20.508	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.040%
7) Chloroethane-d5	1.529	69	111493	21.399	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.053	65	59079	20.663	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.640%
21) 2-Butanone-d5	3.841	46	97169m	53.016	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.040%
24) Chloroform-d	4.246	84	276505	22.258	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.040%
26) 1,2-Dichloroethane-d4	4.940	65	146112	23.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.160%
32) Benzene-d6	4.957	84	525575	21.452	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	5.985	67	172562	22.823	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.280%
41) Toluene-d8	7.239	98	448590	20.572	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.280%
43) trans-1,3-Dichloroprop...	7.554	79	68787	21.272	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.080%
47) 2-Hexanone-d5	8.030	63	66876	49.188	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.380%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	176729	24.256	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	188136	23.541	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	10542	1.241	ug/L	99
3) Chloromethane	1.214	50	11714	1.373	ug/L	99
5) Vinyl chloride	1.278	62	10990	1.247	ug/L #	77
6) Bromomethane	1.484	94	7373	1.321	ug/L	97
8) Chloroethane	1.545	64	6626	1.220	ug/L	98
9) Trichlorofluoromethane	1.709	101	13213	1.149	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9963	1.373	ug/L #	83
12) 1,1-Dichloroethene	2.066	96	9150	1.396	ug/L #	1
13) Acetone	2.156	43	7894m	2.942	ug/L	
14) Carbon disulfide	2.236	76	27104	1.306	ug/L	100
15) Methyl Acetate	2.391	43	5172m	1.272	ug/L	
16) Methylene chloride	2.445	84	41358	4.292	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	8600	1.182	ug/L	92
18) Methyl tert-butyl Ether	2.706	73	17744	1.011	ug/L	98
19) 1,1-Dichloroethane	3.114	63	14763	1.082	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	8227	1.043	ug/L	97
22) 2-Butanone	3.953	43	6819m	2.737	ug/L	
23) Bromochloromethane	4.162	128	4222	1.107	ug/L #	85
25) Chloroform	4.278	83	18088	1.284	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	8735	0.996	ug/L	96
29) Cyclohexane	4.577	56	10694	0.999	ug/L	94
30) 1,1,1-Trichloroethane	4.510	97	13164	1.061	ug/L	96
31) Carbon tetrachloride	4.735	117	12166	1.117	ug/L	94
33) Benzene	5.014	78	29870	1.008	ug/L	100
34) Trichloroethene	5.847	95	8475	1.011	ug/L	96
35) Methylcyclohexane	6.047	83	13672m	1.075	ug/L	
37) 1,2-Dichloropropane	6.101	63	8629m	1.117	ug/L	
38) Bromodichloromethane	6.442	83	10724m	1.024	ug/L	
39) cis-1,3-Dichloropropene	6.969	75	11760	0.973	ug/L	93
40) 4-Methyl-2-pentanone	7.175	43	11197m	2.419	ug/L	
42) Toluene	7.323	91	32404	1.034	ug/L	95
44) trans-1,3-Dichloropropene	7.593	75	11642m	1.101	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6492	0.989	ug/L	89
46) Tetrachloroethene	7.908	164	7770	1.141	ug/L	99
48) 2-Hexanone	8.104	43	9434m	2.718	ug/L	
49) Dibromochloromethane	8.178	129	7481	1.010	ug/L	87
50) 1,2-Dibromoethane	8.291	107	6890	1.065	ug/L	94
51) Chlorobenzene	8.815	112	23096	1.062	ug/L	99
52) Ethylbenzene	8.950	91	30923	0.893	ug/L	99
53) m,p-Xylene	9.079	106	11302	0.861	ug/L	93
54) o-Xylene	9.480	106	10704	0.860	ug/L	99
55) Styrene	9.506	104	16950m	0.781	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	9207	1.151	ug/L #	98
59) Bromoform	9.670	173	4582	1.012	ug/L #	94
60) Isopropylbenzene	9.870	105	27149	0.885	ug/L	97
61) 1,2,3-Trichloropropane	10.210	75	6423	1.190	ug/L #	90
62) 1,3,5-Trimethylbenzene	10.477	105	18852	0.783	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	20405	0.825	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	16458	1.022	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	17958	1.078	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	17354	1.145	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.368	75	1350	1.079	ug/L	87
69) 1,3,5-Trichlorobenzene	12.586	180	12535	0.996	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	10266	0.977	ug/L	99
71) Naphthalene	13.445	128	16939	0.919	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.683	180	9276	0.982	ug/L	97

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

