

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035557.D
 Acq On : 08 May 2024 11:25
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: May 09 01:25:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	405294	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	433465	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	227388	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	123573	19.727	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.920%		
7) Chloroethane-d5	1.532	69	106756	21.125	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.480%		
11) 1,1-Dichloroethene-d2	2.056	65	56890	20.514	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	82.040%		
21) 2-Butanone-d5	3.841	46	98183m	55.229	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	110.460%		
24) Chloroform-d	4.249	84	273112	22.666	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.680%		
26) 1,2-Dichloroethane-d4	4.944	65	147777	24.809	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.240%		
32) Benzene-d6	4.960	84	510954	21.534	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	86.120%		
36) 1,2-Dichloropropane-d6	5.989	67	171132	23.371	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	93.480%		
41) Toluene-d8	7.243	98	435520	20.623	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	82.480%		
43) trans-1,3-Dichloroprop...	7.555	79	68495	21.872	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	87.480%		
47) 2-Hexanone-d5	8.030	63	66514	50.515	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	101.040%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	179204	25.397	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	101.600%		
66) 1,2-Dichlorobenzene-d4	11.558	152	195939	24.829	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	8934	1.084	ug/L	94
3) Chloromethane	1.214	50	10892	1.317	ug/L	99
5) Vinyl chloride	1.282	62	9308	1.089	ug/L #	74
6) Bromomethane	1.487	94	6669	1.232	ug/L	96
8) Chloroethane	1.548	64	5861	1.112	ug/L	90
9) Trichlorofluoromethane	1.712	101	11084	0.994	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8761	1.245	ug/L	87
12) 1,1-Dichloroethene	2.066	96	8227	1.294	ug/L #	1
13) Acetone	2.166	43	7282m	2.798	ug/L	
14) Carbon disulfide	2.236	76	23775	1.181	ug/L	95
15) Methyl Acetate	2.391	43	3863m	0.980	ug/L	
16) Methylene chloride	2.446	84	17581	1.881	ug/L	94
17) trans-1,2-Dichloroethene	2.700	96	7111	1.007	ug/L	88
18) Methyl tert-butyl Ether	2.706	73	16462	0.967	ug/L #	85
19) 1,1-Dichloroethane	3.114	63	13175	0.996	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	7299	0.954	ug/L	95
22) 2-Butanone	3.953	43	5158m	2.134	ug/L	
23) Bromochloromethane	4.156	128	3902m	1.054	ug/L	
25) Chloroform	4.281	83	16847	1.233	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	8177	0.961	ug/L	98
29) Cyclohexane	4.580	56	9275	0.895	ug/L #	87
30) 1,1,1-Trichloroethane	4.513	97	11058	0.920	ug/L	94
31) Carbon tetrachloride	4.735	117	10540	0.999	ug/L	94
33) Benzene	5.018	78	28848	1.006	ug/L	100
34) Trichloroethene	5.844	95	8130	1.002	ug/L	93
35) Methylcyclohexane	6.050	83	11692m	0.949	ug/L	
37) 1,2-Dichloropropane	6.105	63	8061m	1.077	ug/L	
38) Bromodichloromethane	6.445	83	9977	0.984	ug/L	94
39) cis-1,3-Dichloropropene	6.973	75	12010m	1.026	ug/L	
40) 4-Methyl-2-pentanone	7.178	43	10603m	2.365	ug/L	
42) Toluene	7.323	91	29135	0.960	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	11088m	1.083	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6109	0.961	ug/L	97
46) Tetrachloroethene	7.908	164	6548	0.993	ug/L	96
48) 2-Hexanone	8.098	43	8628m	2.567	ug/L	
49) Dibromochloromethane	8.182	129	6994	0.975	ug/L	90
50) 1,2-Dibromoethane	8.294	107	6061	0.967	ug/L	99
51) Chlorobenzene	8.815	112	20924	0.993	ug/L	98
52) Ethylbenzene	8.953	91	28432	0.848	ug/L	97
53) m,p-Xylene	9.082	106	10744m	0.845	ug/L	
54) o-Xylene	9.484	106	9362	0.777	ug/L	96
55) Styrene	9.506	104	15358m	0.731	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	8324	1.074	ug/L #	89
59) Bromoform	9.670	173	4648	1.040	ug/L #	96
60) Isopropylbenzene	9.870	105	23325	0.770	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	6280	1.179	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	17620	0.742	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	17649	0.723	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	15823	0.995	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	17397	1.057	ug/L	93
67) 1,2-Dichlorobenzene	11.577	146	16470	1.101	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.368	75	1301	1.053	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	11815	0.951	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	9825	0.947	ug/L	99
71) Naphthalene	13.445	128	15702m	0.862	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8929	0.957	ug/L	96

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

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