

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024856.D
 Acq On : 02 Mar 2022 18:54
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2022
 Supervised By : Mahesh Dadoda 03/03/2022

Quant Time: Mar 03 04:00:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 03 02:51:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	307484	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	287482	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	136652	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	141999	26.037	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.160%			
7) Chloroethane-d5	1.568	69	107630	26.520	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 106.080%			
11) 1,1-Dichloroethene-d2	2.105	63	176370	20.225	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.920%			
21) 2-Butanone-d5	3.902	46	70737	43.838	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 87.680%			
24) Chloroform-d	4.346	84	226109	26.264	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 105.040%			
26) 1,2-Dichloroethane-d4	5.031	65	124636	27.330	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 109.320%			
32) Benzene-d6	5.047	84	485711	27.304	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 109.200%			
36) 1,2-Dichloropropane-d6	6.066	67	148851	28.157	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 112.640%			
41) Toluene-d8	7.313	98	428866	26.693	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 106.760%			
43) trans-1,3-Dichloroprop...	7.619	79	59666	26.283	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 105.120%			
47) 2-Hexanone-d5	8.088	63	53380	44.067	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.140%			
56) 1,1,2,2-Tetrachloroeth...	10.214	84	117116	25.104	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.400%			
66) 1,2-Dichlorobenzene-d4	11.622	152	144878	27.491	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 109.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	4625	0.931	ug/L	95
3) Chloromethane	1.240	50	5194	1.088	ug/L	97
5) Vinyl chloride	1.310	62	5393	1.063	ug/L #	49
8) Chloroethane	1.584	64	3124	1.016	ug/L	98
9) Trichlorofluoromethane	1.754	101	6785	1.011	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	5493	1.360	ug/L #	77
12) 1,1-Dichloroethene	2.114	96	4776	1.267	ug/L #	1
13) Acetone	2.208	43	2346m	2.103	ug/L	
14) Carbon disulfide	2.291	76	12063	0.916	ug/L	97
15) Methyl Acetate	2.445	43	2235m	0.928	ug/L	
16) Methylene chloride	2.507	84	8217	1.789	ug/L	96
17) trans-1,2-Dichloroethene	2.761	96	3862	0.906	ug/L	91
18) Methyl tert-butyl Ether	2.770	73	9685	0.959	ug/L	98
19) 1,1-Dichloroethane	3.195	63	7228	0.978	ug/L	95
20) cis-1,2-Dichloroethene	3.915	96	4511	1.018	ug/L	91
23) Bromochloromethane	4.249	128	1857m	0.929	ug/L	
25) Chloroform	4.371	83	11719	1.567	ug/L	95
27) 1,2-Dichloroethane	5.140	62	5354	1.143	ug/L	99
29) Cyclohexane	4.677	56	6364	0.910	ug/L	99

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

30) 1,1,1-Trichloroethane	4.609	97	5901	0.903	ug/L	96
31) Carbon tetrachloride	4.834	117	5071	0.900	ug/L	98
33) Benzene	5.101	78	16296	0.982	ug/L	100
34) Trichloroethene	5.921	95	5137	1.074	ug/L	94
35) Methylcyclohexane	6.127	83	7089	0.901	ug/L	97
37) 1,2-Dichloropropane	6.182	63	4147	1.039	ug/L #	86
38) Bromodichloromethane	6.513	83	5307	1.023	ug/L	98
39) cis-1,3-Dichloropropene	7.037	75	6007	1.009	ug/L	94
40) 4-Methyl-2-pentanone	7.236	43	4805	1.576	ug/L	98
42) Toluene	7.391	91	23578	1.352	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	5045m	0.956	ug/L	
45) 1,1,2-Trichloroethane	7.847	97	3528	1.031	ug/L	97
46) Tetrachloroethene	7.976	164	2863	0.923	ug/L	96
48) 2-Hexanone	8.146	43	7984	3.756	ug/L #	81
49) Dibromochloromethane	8.249	129	3457	0.963	ug/L	98
50) 1,2-Dibromoethane	8.355	107	3194	0.940	ug/L #	88
51) Chlorobenzene	8.879	112	11300	1.009	ug/L	95
52) Ethylbenzene	9.014	91	17410	0.917	ug/L	98
53) m,p-Xylene	9.143	106	6809	0.939	ug/L	99
54) o-Xylene	9.545	106	6162	0.907	ug/L	97
55) Styrene	9.567	104	10220	0.881	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.236	83	4441	1.137	ug/L #	95
59) Bromoform	9.735	173	1627	0.887	ug/L #	95
60) Isopropylbenzene	9.931	105	15719	0.874	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	3233	0.968	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	13432	0.997	ug/L	96
63) 1,2,4-Trimethylbenzene	10.915	105	13898	0.934	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	8229	1.014	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	8871	1.077	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	7849	1.047	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.429	75	573m	0.836	ug/L	
69) 1,3,5-Trichlorobenzene	12.644	180	5590	0.969	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	4860	0.968	ug/L	96
71) Naphthalene	13.503	128	10711	0.864	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.744	180	4330	0.933	ug/L	98

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

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