

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\
 Data File : VX023649.D
 Acq On : 11 Aug 2021 14:14
 Operator : JC/MD
 Sample : M3263-03 2.5PPB MDL
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 3:44:18 PM

Quant Time: Aug 12 01:27:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 11 12:02:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	349405	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	318682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	134855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	86804	47.663	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.320%		
7) Chloroethane-d5	1.666	69	75139	50.223	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.440%		
11) 1,1-Dichloroethene-d2	2.307	63	150826	38.126	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.260%		
21) 2-Butanone-d5	4.465	46	188872	107.570	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.570%		
24) Chloroform-d	5.068	84	196942	47.757	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.520%		
26) 1,2-Dichloroethane-d4	5.964	65	140970	49.867	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.740%		
32) Benzene-d6	5.983	84	414696	51.657	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.320%		
36) 1,2-Dichloropropane-d6	7.318	67	128469	50.860	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.720%		
41) Toluene-d8	8.653	98	384953	49.791	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.580%		
43) trans-1,3-Dichloroprop...	8.952	79	58244	48.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.460%		
47) 2-Hexanone-d5	9.391	63	134559	110.805	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.800%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	165739	49.256	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.520%		
66) 1,2-Dichlorobenzene-d4	12.323	152	124257	52.508	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.020%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	4727	2.177	ug/L	99
3) Chloromethane	1.295	50	5017	2.429	ug/L	97
5) Vinyl chloride	1.374	62	5137	2.448	ug/L #	68
6) Bromomethane	1.605	94	3443	2.641	ug/L	99
8) Chloroethane	1.685	64	3137	2.359	ug/L	99
9) Trichlorofluoromethane	1.892	101	8356	2.375	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	6131	2.982	ug/L	87
12) 1,1-Dichloroethene	2.319	96	5384	3.028	ug/L #	1
13) Acetone	2.386	43	7554	4.887	ug/L	90
14) Carbon disulfide	2.508	76	7895	2.209	ug/L	97
15) Methyl Acetate	2.709	43	6912	2.683	ug/L #	84
16) Methylene chloride	2.794	84	6665	3.011	ug/L	92
17) trans-1,2-Dichloroethene	3.099	96	3951	2.099	ug/L	80
18) Methyl tert-butyl Ether	3.130	73	15774	2.261	ug/L	95
19) 1,1-Dichloroethane	3.617	63	8647	2.254	ug/L	97
20) cis-1,2-Dichloroethene	4.495	96	5385	2.368	ug/L	83
22) 2-Butanone	4.568	43	10124	4.806	ug/L	91
23) Bromochloromethane	4.910	128	2803	2.332	ug/L #	89
25) Chloroform	5.105	83	14831	3.579	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.099	62	8028	2.402	ug/L #	94
29) Cyclohexane	5.483	56	7211m	2.351	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	7951m	2.310	ug/L	
31) Carbon tetrachloride	5.684	117	6376	2.206	ug/L	93
33) Benzene	6.044	78	19610	2.356	ug/L	100
34) Trichloroethene	7.135	95	5380	2.416	ug/L	91
35) Methylcyclohexane	7.391	83	7360	2.301	ug/L	97
37) 1,2-Dichloropropane	7.440	63	5599	2.452	ug/L #	91
38) Bromodichloromethane	7.824	83	5924	2.080	ug/L	94
39) cis-1,3-Dichloropropene	8.373	75	7578	2.267	ug/L	98
40) 4-Methyl-2-pentanone	8.580	43	17035	4.629	ug/L	92
42) Toluene	8.720	91	26785	2.902	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	7505	2.229	ug/L	96
45) 1,1,2-Trichloroethane	9.159	97	5581	2.405	ug/L	93
46) Tetrachloroethene	9.275	164	4084	2.417	ug/L	88
48) 2-Hexanone	9.433	43	14927	5.023	ug/L #	89
49) Dibromochloromethane	9.525	129	4437	1.895	ug/L	77
50) 1,2-Dibromoethane	9.616	107	5334	2.245	ug/L #	98
51) Chlorobenzene	10.080	112	13837	2.257	ug/L	97
52) Ethylbenzene	10.195	91	22622	2.239	ug/L	97
53) m,p-Xylene	10.305	106	9012	2.339	ug/L	99
54) o-Xylene	10.647	106	7983	2.080	ug/L	95
55) Styrene	10.659	104	12891	1.994	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.214	83	9082	2.575	ug/L #	97
59) Bromoform	10.805	173	2900	2.005	ug/L #	97
60) Isopropylbenzene	10.964	105	20806	2.273	ug/L	100
61) 1,2,3-Trichloropropane	11.244	75	7328	2.701	ug/L	97
62) 1,3,5-Trimethylbenzene	11.457	105	16828	2.272	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	17438	2.316	ug/L	99
64) 1,3-Dichlorobenzene	11.976	146	9148	2.288	ug/L	92
65) 1,4-Dichlorobenzene	12.043	146	9806	2.464	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	9402	2.396	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	1250	1.979	ug/L	86
69) 1,3,5-Trichlorobenzene	13.116	180	6341	2.297	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	5383	2.265	ug/L	98
71) Naphthalene	13.780	128	16041	1.947	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5138	2.098	ug/L	94

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

