

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111924\
 Data File : VX043902.D
 Acq On : 19 Nov 2024 15:58
 Operator : JC/MD
 Sample : P4776-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Nov 20 00:02:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 19 23:30:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/20/2024
 Supervised By : Mahesh Dadoda 11/20/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	325682	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	227984	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	96333	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	104832	40.346	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.700%		
7) Chloroethane-d5	1.642	69	47654	43.491	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.980%		
11) 1,1-Dichloroethene-d2	2.294	65	40669	38.944	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.880%		
21) 2-Butanone-d5	4.465	46	134200	85.948	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.950%		
24) Chloroform-d	5.050	84	193016	40.089	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.180%		
26) 1,2-Dichloroethane-d4	5.952	65	130762	40.911	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.820%		
32) Benzene-d6	5.971	84	393192	52.298	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.600%		
36) 1,2-Dichloropropane-d6	7.306	67	122040	53.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	107.420%		
41) Toluene-d8	8.647	98	312176	47.334	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.660%		
43) trans-1,3-Dichloroprop...	8.952	79	50192	48.812	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.620%		
47) 2-Hexanone-d5	9.385	63	81128	95.628	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.630%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	135111	47.158	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.320%		
66) 1,2-Dichlorobenzene-d4	12.317	152	93786	45.865	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5639	2.110	ug/L	90
3) Chloromethane	1.295	50	6401	2.343	ug/L	98
5) Vinyl chloride	1.374	62	6585	2.370	ug/L #	77
6) Bromomethane	1.593	94	2508	2.168	ug/L	72
8) Chloroethane	1.666	64	2478	2.004	ug/L	97
9) Trichlorofluoromethane	1.868	101	8349	2.246	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	6170	2.785	ug/L	87
12) 1,1-Dichloroethene	2.307	96	5603	2.777	ug/L #	1
13) Acetone	2.392	43	6759	4.924	ug/L	95
14) Carbon disulfide	2.496	76	8145	1.899	ug/L	99
15) Methyl Acetate	2.703	43	5857	2.281	ug/L	99
16) Methylene chloride	2.776	84	5777	2.442	ug/L	96
17) trans-1,2-Dichloroethene	3.081	96	4618	2.137	ug/L	82
18) Methyl tert-butyl Ether	3.117	73	17852	2.232	ug/L	99
19) 1,1-Dichloroethane	3.599	63	9542	2.216	ug/L	93
20) cis-1,2-Dichloroethene	4.471	96	5814	2.213	ug/L	84
22) 2-Butanone	4.581	43	9235m	5.048	ug/L	
23) Bromochloromethane	4.916	128	3130m	2.315	ug/L	
27) 1,2-Dichloroethane	6.092	62	8182	2.206	ug/L	98

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29) Cyclohexane	5.458	56	8145	2.747	ug/L	94
30) 1,1,1-Trichloroethane	5.373	97	8217	2.612	ug/L #	85
31) Carbon tetrachloride	5.672	117	6146	2.409	ug/L	100
33) Benzene	6.031	78	21109	2.770	ug/L	100
35) Methylcyclohexane	7.373	83	8058	2.818	ug/L	95
37) 1,2-Dichloropropane	7.434	63	5450	2.755	ug/L	99
38) Bromodichloromethane	7.824	83	5617	2.264	ug/L #	83
39) cis-1,3-Dichloropropene	8.366	75	8206	2.633	ug/L	89
40) 4-Methyl-2-pentanone	8.580	43	13613	5.027	ug/L	99
42) Toluene	8.720	91	17399	2.265	ug/L	89
44) trans-1,3-Dichloropropene	8.976	75	6584	2.350	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	5185	2.666	ug/L	97
46) Tetrachloroethene	9.275	164	3763	2.761	ug/L	85
48) 2-Hexanone	9.439	43	11565	5.658	ug/L #	93
49) Dibromochloromethane	9.519	129	4066	2.261	ug/L	92
50) 1,2-Dibromoethane	9.610	107	4995	2.438	ug/L	100
51) Chlorobenzene	10.080	112	11301	2.372	ug/L	95
52) Ethylbenzene	10.195	91	19498	2.409	ug/L	96
53) m,p-Xylene	10.305	106	7157	2.380	ug/L	95
54) o-Xylene	10.640	106	7211	2.382	ug/L	92
55) Styrene	10.659	104	10591	2.114	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	8412	2.889	ug/L	92
59) Bromoform	10.799	173	2173	2.013	ug/L	99
60) Isopropylbenzene	10.964	105	17531	2.309	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	5586	2.545	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	14047	2.342	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	13098	2.190	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	7745	2.432	ug/L	94
65) 1,4-Dichlorobenzene	12.036	146	7887	2.494	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	8708	2.641	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.951	75	1155	2.103	ug/L	93
69) 1,3,5-Trichlorobenzene	13.116	180	4531	2.205	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	3954	2.087	ug/L	96
71) Naphthalene	13.774	128	14307	2.030	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	4041	2.116	ug/L	93

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

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