

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051024\
 Data File : VX041450.D
 Acq On : 10 May 2024 10:59
 Operator : JC/MD
 Sample : P2409-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-04

Quant Time: May 10 23:26:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 23:16:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/13/2024
 Supervised By : Mahesh Dadoda 05/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	285746	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	244931	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	133219	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	80595	49.731	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.460%		
7) Chloroethane-d5	1.648	69	57211	48.116	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.240%		
11) 1,1-Dichloroethene-d2	2.294	65	32633	40.008	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.020%		
21) 2-Butanone-d5	4.458	46	135862	112.448	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	112.450%		
24) Chloroform-d	5.050	84	174868	48.795	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.600%		
26) 1,2-Dichloroethane-d4	5.952	65	116614	45.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.460%		
32) Benzene-d6	5.964	84	333521	49.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.680%		
36) 1,2-Dichloropropane-d6	7.305	67	104443	52.532	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.060%		
41) Toluene-d8	8.647	98	301240	43.588	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.180%		
43) trans-1,3-Dichloroprop...	8.951	79	44838	45.015	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.040%		
47) 2-Hexanone-d5	9.384	63	91883	99.177	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.180%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	152730	48.813	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.620%		
66) 1,2-Dichlorobenzene-d4	12.317	152	135053	49.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3621	1.841	ug/L	96
3) Chloromethane	1.300	50	3394	2.023	ug/L	98
5) Vinyl chloride	1.374	62	3872	2.240	ug/L #	68
6) Bromomethane	1.599	94	2280	1.893	ug/L	98
8) Chloroethane	1.666	64	2308m	2.332	ug/L	
9) Trichlorofluoromethane	1.867	101	5364	1.763	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	3965	2.121	ug/L #	79
12) 1,1-Dichloroethene	2.312	96	3394	2.044	ug/L #	1
13) Acetone	2.386	43	4576	3.689	ug/L	98
14) Carbon disulfide	2.501	76	5348	1.336	ug/L	97
15) Methyl Acetate	2.709	43	3627	1.732	ug/L	99
16) Methylene chloride	2.782	84	3631	1.971	ug/L	93
17) trans-1,2-Dichloroethene	3.081	96	2705	1.585	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	9157	1.573	ug/L	97
19) 1,1-Dichloroethane	3.605	63	5325	1.686	ug/L	94
20) cis-1,2-Dichloroethene	4.483	96	3865	1.962	ug/L	91
22) 2-Butanone	4.580	43	6512m	4.204	ug/L	
23) Bromochloromethane	4.910	128	1940	1.851	ug/L	78
27) 1,2-Dichloroethane	6.092	62	5657	1.990	ug/L	98

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29) Cyclohexane	5.470	56	5248	1.927	ug/L	96
30) 1,1,1-Trichloroethane	5.379	97	5352	1.856	ug/L #	88
31) Carbon tetrachloride	5.678	117	4385	1.713	ug/L #	77
33) Benzene	6.037	78	13172	1.922	ug/L	100
35) Methylcyclohexane	7.373	83	5378	1.849	ug/L	97
37) 1,2-Dichloropropane	7.433	63	3407	1.974	ug/L #	89
38) Bromodichloromethane	7.824	83	4064	1.742	ug/L	93
39) cis-1,3-Dichloropropene	8.366	75	4702	1.645	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	9310	3.352	ug/L	100
42) Toluene	8.720	91	14316	1.914	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	4873	1.828	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	3417	1.791	ug/L	95
46) Tetrachloroethene	9.275	164	3242	1.805	ug/L	94
48) 2-Hexanone	9.433	43	9061	4.072	ug/L	97
49) Dibromochloromethane	9.518	129	3011	1.561	ug/L	97
50) 1,2-Dibromoethane	9.610	107	3652	1.839	ug/L	94
51) Chlorobenzene	10.079	112	9326	1.870	ug/L	99
52) Ethylbenzene	10.195	91	14246	1.736	ug/L	97
53) m,p-Xylene	10.305	106	5389	1.642	ug/L	98
54) o-Xylene	10.640	106	5066	1.515	ug/L	86
55) Styrene	10.659	104	7476	1.338	ug/L	90
57) 1,1,2,2-Tetrachloroethane	11.213	83	6580	2.078	ug/L #	97
59) Bromoform	10.799	173	2164	1.388	ug/L #	89
60) Isopropylbenzene	10.963	105	13382	1.646	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	4332	1.902	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	8965	1.633	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	11115	1.671	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	7667	1.854	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	8413	1.965	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1043	1.702	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.115	180	5258	1.704	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	4508	1.600	ug/L	97
71) Naphthalene	13.780	128	11150	1.325	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	4720	1.606	ug/L	100

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

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