

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112024\
 Data File : VX043911.D
 Acq On : 20 Nov 2024 12:40
 Operator : JC/MD
 Sample : P4776-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-08

Quant Time: Nov 21 00:40:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 00:38:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	313154	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	258708	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	112203	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	106504	42.629	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.260%
7) Chloroethane-d5	1.648	69	69093	65.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	131.160%#
11) 1,1-Dichloroethene-d2	2.294	65	45899	45.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.420%
21) 2-Butanone-d5	4.452	46	155634	103.663	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.660%
24) Chloroform-d	5.050	84	205925	44.481	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.960%
26) 1,2-Dichloroethane-d4	5.952	65	143841	46.804	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.600%
32) Benzene-d6	5.964	84	425399	49.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.720%
36) 1,2-Dichloropropane-d6	7.299	67	136013	52.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.500%
41) Toluene-d8	8.647	98	361723	48.333	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.660%
43) trans-1,3-Dichloroprop...	8.945	79	57964	49.675	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.360%
47) 2-Hexanone-d5	9.384	63	98515	102.332	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.330%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	171848	52.858	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.720%
66) 1,2-Dichlorobenzene-d4	12.317	152	122311	51.355	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	5997	2.334	ug/L	98
3) Chloromethane	1.294	50	6092	2.319	ug/L	98
5) Vinyl chloride	1.374	62	6731	2.520	ug/L #	56
6) Bromomethane	1.593	94	3164	2.844	ug/L	92
8) Chloroethane	1.672	64	3200	2.691	ug/L	89
9) Trichlorofluoromethane	1.874	101	8890	2.487	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	7120	3.342	ug/L #	85
12) 1,1-Dichloroethene	2.306	96	5693	2.934	ug/L #	1
13) Acetone	2.380	43	7523	5.700	ug/L	95
14) Carbon disulfide	2.495	76	8301	2.013	ug/L	98
15) Methyl Acetate	2.703	43	5945	2.408	ug/L #	87
16) Methylene chloride	2.782	84	6039	2.654	ug/L	97
17) trans-1,2-Dichloroethene	3.087	96	4941	2.378	ug/L	91
18) Methyl tert-butyl Ether	3.111	73	18506	2.407	ug/L	97
19) 1,1-Dichloroethane	3.599	63	9842	2.377	ug/L	93
20) cis-1,2-Dichloroethene	4.483	96	5758	2.279	ug/L	93
22) 2-Butanone	4.574	43	9451m	5.373	ug/L	
23) Bromochloromethane	4.891	128	3111m	2.393	ug/L	
27) 1,2-Dichloroethane	6.086	62	8999	2.524	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112024\
 Data File : VX043911.D
 Acq On : 20 Nov 2024 12:40
 Operator : JC/MD
 Sample : P4776-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-08

Quant Time: Nov 21 00:40:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 00:38:46 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/21/2024
 Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.470	56	9050m	2.689	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	8539	2.392	ug/L #	70
31) Carbon tetrachloride	5.659	117	6894m	2.381	ug/L	
33) Benzene	6.031	78	21665	2.505	ug/L	100
35) Methylcyclohexane	7.373	83	8684	2.676	ug/L	99
37) 1,2-Dichloropropane	7.434	63	6025m	2.684	ug/L	
38) Bromodichloromethane	7.818	83	6245	2.219	ug/L #	93
39) cis-1,3-Dichloropropene	8.366	75	8522	2.410	ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	14928	4.858	ug/L	94
42) Toluene	8.720	91	21065	2.417	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7941	2.498	ug/L	90
45) 1,1,2-Trichloroethane	9.153	97	5421	2.456	ug/L	91
46) Tetrachloroethene	9.275	164	3926	2.539	ug/L	84
48) 2-Hexanone	9.433	43	13502	5.821	ug/L #	89
49) Dibromochloromethane	9.518	129	4313	2.114	ug/L	96
50) 1,2-Dibromoethane	9.610	107	5577	2.399	ug/L #	92
51) Chlorobenzene	10.079	112	14282	2.642	ug/L	92
52) Ethylbenzene	10.195	91	22527	2.452	ug/L	98
53) m,p-Xylene	10.299	106	7772	2.278	ug/L	97
54) o-Xylene	10.640	106	8955	2.607	ug/L	80
55) Styrene	10.659	104	13696	2.409	ug/L	89
57) 1,1,2,2-Tetrachloroethane	11.213	83	9471	2.867	ug/L	88
59) Bromoform	10.799	173	2650	2.108	ug/L #	94
60) Isopropylbenzene	10.963	105	21131	2.390	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6965	2.724	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	17479	2.502	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	16320	2.343	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	9597	2.587	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	10303	2.797	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	10862	2.828	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1067	1.668	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.115	180	6220	2.598	ug/L	92
70) 1,2,4-trichlorobenzene	13.591	180	4730	2.143	ug/L	94
71) Naphthalene	13.780	128	16467	2.006	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	4829	2.171	ug/L	92

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112024\
Data File : VX043911.D
Acq On : 20 Nov 2024 12:40
Operator : JC/MD
Sample : P4776-06
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2024-08

Quant Time: Nov 21 00:40:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111924WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 21 00:38:46 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/21/2024
Supervised By : Mahesh Dadoda 11/25/2024

