

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022924\
 Data File : VW034478.D
 Acq On : 29 Feb 2024 13:46
 Operator : SY/MD
 Sample : P1601-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Quant Time: Mar 01 04:32:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 01 01:27:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

03/01/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	277820	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	257485	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	125343	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	113512	47.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.260%
7) Chloroethane-d5	1.529	69	90270	48.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.220%
11) 1,1-Dichloroethene-d2	2.056	65	50693	46.542	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.080%
21) 2-Butanone-d5	3.786	46	177936	110.478	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.480%
24) Chloroform-d	4.249	84	199114	46.759	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.520%
26) 1,2-Dichloroethane-d4	4.941	65	140715	50.568	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.140%
32) Benzene-d6	4.957	84	389833	50.165	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.340%
36) 1,2-Dichloropropane-d6	5.989	67	118925	50.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.300%
41) Toluene-d8	7.243	98	342865	48.755	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.520%
43) trans-1,3-Dichloroprop...	7.555	79	55661	46.738	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.480%
47) 2-Hexanone-d5	8.024	63	129755	109.567	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.570%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	160798	51.523	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.040%
66) 1,2-Dichlorobenzene-d4	11.561	152	129598	50.584	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.160%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.105	85	5655	1.941	ug/L	97
3) Chloromethane	1.214	50	6016	2.101	ug/L	95
5) Vinyl chloride	1.282	62	5597	2.014	ug/L #	73
6) Bromomethane	1.484	94	3899	2.338	ug/L	88
8) Chloroethane	1.545	64	3342	2.023	ug/L	95
9) Trichlorofluoromethane	1.709	101	8222	1.975	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	5922	2.640	ug/L #	81
12) 1,1-Dichloroethene	2.066	96	5178	2.489	ug/L #	1
13) Acetone	2.118	43	7880	4.070	ug/L	98
14) Carbon disulfide	2.240	76	10495	1.818	ug/L	96
15) Methyl Acetate	2.381	43	4961	2.003	ug/L #	83
16) Methylene chloride	2.449	84	5835	2.644	ug/L	90
17) trans-1,2-Dichloroethene	2.696	96	3884	1.929	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	14925	2.064	ug/L	99
19) 1,1-Dichloroethane	3.114	63	7564	1.918	ug/L	95
20) cis-1,2-Dichloroethene	3.818	96	4176	1.912	ug/L	93
22) 2-Butanone	3.928	43	7553m	3.950	ug/L	
23) Bromochloromethane	4.159	128	2315m	2.049	ug/L	
27) 1,2-Dichloroethane	5.060	62	6505	1.958	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.580	56	6723m	1.985	ug/L	
30) 1,1,1-Trichloroethane	4.513	97	7327	1.984	ug/L #	82
31) Carbon tetrachloride	4.735	117	6138	1.878	ug/L	95
33) Benzene	5.018	78	16186	2.025	ug/L	100
34) Trichloroethene	5.847	95	4535	1.996	ug/L	94
35) Methylcyclohexane	6.050	83	7390	2.140	ug/L	94
37) 1,2-Dichloropropane	6.108	63	4525m	2.163	ug/L	
38) Bromodichloromethane	6.445	83	5454	1.853	ug/L #	96
39) cis-1,3-Dichloropropene	6.966	75	7038m	2.076	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	11516	3.732	ug/L	98
42) Toluene	7.326	91	16837	1.990	ug/L	94
44) trans-1,3-Dichloropropene	7.593	75	6292m	1.930	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	4160	2.060	ug/L	88
46) Tetrachloroethene	7.912	164	2942	1.741	ug/L	85
48) 2-Hexanone	8.088	43	13399m	5.450	ug/L	
49) Dibromochloromethane	8.182	129	3720	1.746	ug/L	91
50) 1,2-Dibromoethane	8.291	107	4742	2.213	ug/L #	85
51) Chlorobenzene	8.818	112	11255	2.058	ug/L	100
52) Ethylbenzene	8.953	91	17705	1.868	ug/L	95
53) m,p-Xylene	9.082	106	6534	1.817	ug/L	94
54) o-Xylene	9.484	106	6467	1.836	ug/L	98
55) Styrene	9.506	104	10146	1.701	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.178	83	7165	2.363	ug/L #	93
59) Bromoform	9.670	173	2389	1.719	ug/L #	92
60) Isopropylbenzene	9.870	105	17172	1.937	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	5478	2.290	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	13814	1.847	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	14530	1.965	ug/L	96
64) 1,3-Dichlorobenzene	11.124	146	8211	2.003	ug/L	96
65) 1,4-Dichlorobenzene	11.214	146	8506	2.044	ug/L	93
67) 1,2-Dichlorobenzene	11.580	146	9031	2.199	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	1318	1.849	ug/L	100
69) 1,3,5-Trichlorobenzene	12.587	180	5816	1.891	ug/L	95
70) 1,2,4-trichlorobenzene	13.204	180	5427	1.961	ug/L	99
71) Naphthalene	13.445	128	16091	2.174	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	5424	2.010	ug/L	95

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

