

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030122\
 Data File : VW024845.D
 Acq On : 01 Mar 2022 13:48
 Operator : SY/MD
 Sample : N1331-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-02

Quant Time: Mar 02 02:43:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 02 01:20:37 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/02/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	311475	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	303319	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	144165	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.307	65	122043	38.534	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.060%
7) Chloroethane-d5	1.568	69	105136	42.311	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.620%
11) 1,1-Dichloroethene-d2	2.108	63	171436	32.250	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.500%
21) 2-Butanone-d5	3.886	46	172571	95.745	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.740%
24) Chloroform-d	4.346	84	236827	42.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.680%
26) 1,2-Dichloroethane-d4	5.027	65	145980	44.751	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
32) Benzene-d6	5.047	84	496895	44.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.066	67	159609	45.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.140%
41) Toluene-d8	7.313	98	434548	43.629	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.260%
43) trans-1,3-Dichloroprop...	7.619	79	65515	43.045	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.080%
47) 2-Hexanone-d5	8.085	63	123145	92.621	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.620%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	191050	45.985	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.960%
66) 1,2-Dichlorobenzene-d4	11.622	152	154282	46.458	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.920%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.130	85	7010	2.384	ug/L	98
3) Chloromethane	1.243	50	8183	2.690	ug/L	98
5) Vinyl chloride	1.310	62	8122	2.602	ug/L #	72
6) Bromomethane	1.523	94	5108	2.739	ug/L	97
8) Chloroethane	1.587	64	4563	2.494	ug/L	95
9) Trichlorofluoromethane	1.754	101	9353	2.343	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	7179	3.032	ug/L	86
12) 1,1-Dichloroethene	2.118	96	6713	2.912	ug/L #	1
13) Acetone	2.182	43	6298	4.576	ug/L	93
14) Carbon disulfide	2.294	76	16009	2.273	ug/L	97
15) Methyl Acetate	2.442	43	5947	2.515	ug/L	99
16) Methylene chloride	2.510	84	6816	2.524	ug/L	97
17) trans-1,2-Dichloroethene	2.764	96	5808	2.329	ug/L	96
18) Methyl tert-butyl Ether	2.770	73	17960	2.362	ug/L	97
19) 1,1-Dichloroethane	3.191	63	11179	2.487	ug/L	94
20) cis-1,2-Dichloroethene	3.912	96	6310	2.338	ug/L	90
22) 2-Butanone	4.011	43	9237m	5.853	ug/L	
23) Bromochloromethane	4.256	128	3041	2.253	ug/L	91
25) Chloroform	4.371	83	13367	2.862	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	7665	2.352	ug/L	100
29) Cyclohexane	4.677	56	8856	2.232	ug/L	91
30) 1,1,1-Trichloroethane	4.609	97	9079	2.273	ug/L	98
31) Carbon tetrachloride	4.828	117	7299	2.149	ug/L	96
33) Benzene	5.101	78	24389	2.383	ug/L	100
34) Trichloroethene	5.918	95	7174	2.556	ug/L	98
35) Methylcyclohexane	6.130	83	10131	2.380	ug/L	99
37) 1,2-Dichloropropane	6.175	63	6266	2.439	ug/L #	89
38) Bromodichloromethane	6.513	83	7418	2.204	ug/L	98
39) cis-1,3-Dichloropropene	7.034	75	7648	1.978	ug/L	96
40) 4-Methyl-2-pentanone	7.230	43	13643	4.455	ug/L	99
42) Toluene	7.391	91	32449	3.038	ug/L	97
44) trans-1,3-Dichloropropene	7.657	75	8343	2.349	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	5845	2.342	ug/L	97
46) Tetrachloroethene	7.976	164	4496	2.481	ug/L	94
48) 2-Hexanone	8.143	43	25327	10.508	ug/L	90
49) Dibromochloromethane	8.246	129	5107	2.117	ug/L	88
50) 1,2-Dibromoethane	8.355	107	5909	2.296	ug/L #	97
51) Chlorobenzene	8.883	112	15943	2.366	ug/L	93
52) Ethylbenzene	9.014	91	26030	2.310	ug/L	98
53) m,p-Xylene	9.140	106	9974	2.304	ug/L	97
54) o-Xylene	9.542	106	10132	2.422	ug/L	89
55) Styrene	9.564	104	14721	2.074	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.236	83	9495	2.720	ug/L #	95
59) Bromoform	9.731	173	2695	2.052	ug/L #	91
60) Isopropylbenzene	9.931	105	24993	2.387	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	7571	2.625	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	16001	2.265	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	19475	2.249	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	11360	2.473	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	11949	2.540	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	11874	2.568	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	1374	2.086	ug/L	95
69) 1,3,5-Trichlorobenzene	12.644	180	7423	2.394	ug/L	96
70) 1,2,4-trichlorobenzene	13.262	180	6310	2.335	ug/L	99
71) Naphthalene	13.503	128	19541	2.232	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	6407	2.405	ug/L	100

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

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