

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
 Data File : VU054804.D
 Acq On : 18 Jul 2023 13:16
 Operator : MD/SY
 Sample : 03573-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Jul 19 04:04:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	236946	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	228281	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	118593	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80036	43.703	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.400%
7) Chloroethane-d5	1.885	69	78502	42.851	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.700%
11) 1,1-Dichloroethene-d2	2.557	63	86125	32.785	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.560%
21) 2-Butanone-d5	4.618	46	119799	101.771	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.770%
24) Chloroform-d	5.058	84	129742	45.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
26) 1,2-Dichloroethane-d4	5.695	65	84034	49.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.460%
32) Benzene-d6	5.721	84	264007	48.551	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.100%
36) 1,2-Dichloropropane-d6	6.685	67	88677	48.431	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.860%
41) Toluene-d8	7.894	98	252998	48.826	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.660%
43) trans-1,3-Dichloroprop...	8.177	79	42543	45.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.840%
47) 2-Hexanone-d5	8.631	63	81101	93.702	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	153450	45.627	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.260%
66) 1,2-Dichlorobenzene-d4	12.190	152	99196	48.676	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	4512	2.520	ug/L	97
3) Chloromethane	1.522	50	7095	3.474	ug/L	97
5) Vinyl chloride	1.602	62	6698	2.523	ug/L #	76
6) Bromomethane	1.827	94	6058	3.749	ug/L	88
8) Chloroethane	1.911	64	4750m	2.586	ug/L	
9) Trichlorofluoromethane	2.123	101	10861	2.556	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4339	2.768	ug/L	90
12) 1,1-Dichloroethene	2.563	96	4401m	2.985	ug/L	
13) Acetone	2.624	43	5238m	5.290	ug/L	
14) Carbon disulfide	2.785	76	11206	2.603	ug/L	99
15) Methyl Acetate	2.949	43	5717	3.462	ug/L #	71
17) trans-1,2-Dichloroethene	3.351	96	4009	2.627	ug/L	78
18) Methyl tert-butyl Ether	3.364	73	14311	2.710	ug/L #	90
19) 1,1-Dichloroethane	3.859	63	7773	2.669	ug/L	88
20) cis-1,2-Dichloroethene	4.660	96	4663	2.571	ug/L	93
22) 2-Butanone	4.714	43	7407m	5.419	ug/L	
23) Bromochloromethane	4.968	128	2263	2.453	ug/L	86
25) Chloroform	5.081	83	8742	2.863	ug/L	95
27) 1,2-Dichloroethane	5.791	62	6164	2.658	ug/L #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.386	56	6496	2.588	ug/L #	59
30) 1,1,1-Trichloroethane	5.309	97	7087	2.797	ug/L	91
31) Carbon tetrachloride	5.518	117	5837	2.668	ug/L #	60
33) Benzene	5.772	78	17175	2.626	ug/L	100
34) Trichloroethene	6.537	95	4656	2.797	ug/L	77
35) Methylcyclohexane	6.759	83	8028	2.951	ug/L #	91
37) 1,2-Dichloropropane	6.785	63	4643	2.581	ug/L #	88
38) Bromodichloromethane	7.103	83	6208	2.690	ug/L #	96
39) cis-1,3-Dichloropropene	7.605	75	7836	2.641	ug/L #	80
40) 4-Methyl-2-pentanone	7.795	43	13878	5.039	ug/L	98
42) Toluene	7.968	91	19330	2.641	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	7333	2.631	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	4820	2.628	ug/L	81
46) Tetrachloroethene	8.550	164	3443	2.697	ug/L	89
48) 2-Hexanone	8.682	43	16853	7.386	ug/L #	98
49) Dibromochloromethane	8.807	129	4426	2.343	ug/L	98
50) 1,2-Dibromoethane	8.920	107	5292	2.681	ug/L #	82
51) Chlorobenzene	9.444	112	13295	2.792	ug/L	97
52) Ethylbenzene	9.566	91	20361	2.406	ug/L	97
53) m,p-Xylene	9.692	106	9119	2.831	ug/L	91
54) o-Xylene	10.097	106	7239	2.212	ug/L	94
55) Styrene	10.113	104	12641	2.218	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	9449	2.610	ug/L	92
59) Bromoform	10.290	173	3078	2.075	ug/L #	77
60) 1,2,3-Trichloropropane	10.820	75	6314	2.729	ug/L	91
61) Isopropylbenzene	10.483	105	21365	2.727	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	16002	2.480	ug/L	97
63) 1,2,4-Trimethylbenzene	11.466	105	16592	2.594	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	8020	2.207	ug/L	90
65) 1,4-Dichlorobenzene	11.833	146	9924	2.711	ug/L	92
67) 1,2-Dichlorobenzene	12.209	146	9240	2.531	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	13.000	75	1403	2.268	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.219	180	6050	2.484	ug/L #	89
70) 1,2,4-trichlorobenzene	13.839	180	5499	2.615	ug/L #	85
71) Naphthalene	14.087	128	18974	2.749	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.325	180	5487	2.679	ug/L #	94

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

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