

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071922\
 Data File : VX030119.D
 Acq On : 19 Jul 2022 16:14
 Operator : JC/MD
 Sample : N3670-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03

Quant Time: Jul 20 08:51:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 20 07:48:58 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/20/2022
 Supervised By : Mahesh Dadoda 07/20/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	281699	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	251681	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	120950	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	101637	46.256	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.520%
7) Chloroethane-d5	1.666	69	77522	50.983	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.960%
11) 1,1-Dichloroethene-d2	2.306	63	161789	38.067	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.140%
21) 2-Butanone-d5	4.458	46	223531	103.445	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.440%
24) Chloroform-d	5.062	84	212360	47.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.958	65	135321	48.488	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.980%
32) Benzene-d6	5.976	84	468721	50.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.180%
36) 1,2-Dichloropropane-d6	7.311	67	150043	50.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.000%
41) Toluene-d8	8.652	98	412205	48.765	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.520%
43) trans-1,3-Dichloroprop...	8.951	79	60983	48.335	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.680%
47) 2-Hexanone-d5	9.384	63	157132	105.472	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.470%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	201145	50.739	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.480%
66) 1,2-Dichlorobenzene-d4	12.323	152	143272	51.101	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5156	2.186	ug/L	99
3) Chloromethane	1.288	50	4863	2.307	ug/L	96
5) Vinyl chloride	1.373	62	5563	2.531	ug/L #	69
6) Bromomethane	1.605	94	2698	2.721	ug/L	90
8) Chloroethane	1.684	64	2779	2.291	ug/L	99
9) Trichlorofluoromethane	1.885	101	5883	2.068	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.330	101	5808	2.888	ug/L	85
12) 1,1-Dichloroethene	2.318	96	5622	2.899	ug/L #	1
13) Acetone	2.391	43	6029	5.012	ug/L	100
14) Carbon disulfide	2.507	76	12624	2.313	ug/L	96
15) Methyl Acetate	2.715	43	6964	2.542	ug/L	95
16) Methylene chloride	2.794	84	7344	3.137	ug/L	97
17) trans-1,2-Dichloroethene	3.092	96	4822	2.337	ug/L	89
18) Methyl tert-butyl Ether	3.117	73	13546	2.131	ug/L	97
19) 1,1-Dichloroethane	3.617	63	8702	2.307	ug/L #	81
20) cis-1,2-Dichloroethene	4.495	96	4945m	2.064	ug/L	
22) 2-Butanone	4.574	43	9092	4.421	ug/L	91
23) Bromochloromethane	4.897	128	2505	2.101	ug/L #	86
27) 1,2-Dichloroethane	6.092	62	6822	2.320	ug/L #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.470	56	7581	2.196	ug/L	95
30) 1,1,1-Trichloroethane	5.391	97	6613	2.136	ug/L #	54
31) Carbon tetrachloride	5.684	117	5461	2.141	ug/L	98
33) Benzene	6.043	78	19580	2.234	ug/L	100
35) Methylcyclohexane	7.384	83	7795	2.208	ug/L	96
37) 1,2-Dichloropropane	7.439	63	5014	2.186	ug/L #	97
38) Bromodichloromethane	7.823	83	5778	2.059	ug/L #	87
39) cis-1,3-Dichloropropene	8.372	75	7070	2.156	ug/L	98
40) 4-Methyl-2-pentanone	8.579	43	16254	4.357	ug/L	99
42) Toluene	8.720	91	20731	2.278	ug/L	89
44) trans-1,3-Dichloropropene	8.988	75	6579m	2.143	ug/L	
45) 1,1,2-Trichloroethane	9.152	97	4669	2.127	ug/L	91
46) Tetrachloroethene	9.274	164	3768	2.317	ug/L	82
49) Dibromochloromethane	9.524	129	4426	2.015	ug/L	89
50) 1,2-Dibromoethane	9.616	107	4810	2.064	ug/L #	83
51) Chlorobenzene	10.079	112	12648	2.212	ug/L	96
52) Ethylbenzene	10.195	91	20194	2.082	ug/L	99
53) m,p-Xylene	10.305	106	7665	2.027	ug/L	89
54) o-Xylene	10.646	106	7444	2.028	ug/L	97
55) Styrene	10.658	104	12245	1.936	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	8455	2.441	ug/L	94
59) Bromoform	10.805	173	3119	2.208	ug/L	91
60) Isopropylbenzene	10.963	105	19325	2.180	ug/L	97
61) 1,2,3-Trichloropropane	11.237	75	6800	2.534	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	14953	2.041	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	14900	2.040	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	8899	2.282	ug/L	92
65) 1,4-Dichlorobenzene	12.042	146	9294	2.371	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	9237	2.329	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.950	75	1447	1.796	ug/L	93
69) 1,3,5-Trichlorobenzene	13.115	180	5529	2.100	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	5068	2.193	ug/L	95
71) Naphthalene	13.780	128	19268	2.038	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5179	2.109	ug/L	98

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

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