

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072022\
 Data File : VX030126.D
 Acq On : 20 Jul 2022 11:45
 Operator : JC/MD
 Sample : N3670-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04

Quant Time: Jul 21 07:05:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 21 06:57:25 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/21/2022
 Supervised By : Mahesh Dadoda 07/22/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	272252	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	247883	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	116007	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	101480	47.787	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	95.580%	
7) Chloroethane-d5	1.666	69	73488	50.007	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	100.020%	
11) 1,1-Dichloroethene-d2	2.306	63	160577	39.093	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	78.180%	
21) 2-Butanone-d5	4.465	46	221186	105.911	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	105.910%	
24) Chloroform-d	5.062	84	210975	48.934	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.860%	
26) 1,2-Dichloroethane-d4	5.958	65	135865	50.372	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.740%	
32) Benzene-d6	5.976	84	465307	50.996	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	102.000%	
36) 1,2-Dichloropropane-d6	7.312	67	150290	51.363	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	102.720%	
41) Toluene-d8	8.653	98	410898	49.355	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	98.700%	
43) trans-1,3-Dichloroprop...	8.952	79	52527	42.271	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	84.540%	
47) 2-Hexanone-d5	9.384	63	153083	104.329	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	104.330%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	193909	49.663	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	99.320%	
66) 1,2-Dichlorobenzene-d4	12.323	152	143960	53.534	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	107.060%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5788	2.539	ug/L	98
3) Chloromethane	1.288	50	5278	2.590	ug/L	97
5) Vinyl chloride	1.374	62	5187	2.442	ug/L #	51
6) Bromomethane	1.611	94	2594	2.707	ug/L	92
8) Chloroethane	1.685	64	3159	2.695	ug/L	97
9) Trichlorofluoromethane	1.886	101	6984	2.540	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	6264	3.222	ug/L #	81
12) 1,1-Dichloroethene	2.319	96	5631	3.005	ug/L #	1
13) Acetone	2.392	43	6906m	5.940	ug/L	
14) Carbon disulfide	2.508	76	12867	2.439	ug/L #	93
15) Methyl Acetate	2.709	43	6916	2.612	ug/L	94
16) Methylene chloride	2.788	84	7536	3.331	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	4672	2.343	ug/L	84
18) Methyl tert-butyl Ether	3.117	73	14296	2.327	ug/L	99
19) 1,1-Dichloroethane	3.611	63	8901	2.442	ug/L	98
20) cis-1,2-Dichloroethene	4.495	96	5799	2.504	ug/L	99
22) 2-Butanone	4.580	43	10170m	5.116	ug/L	
23) Bromochloromethane	4.903	128	3181	2.760	ug/L	93
27) 1,2-Dichloroethane	6.098	62	7723m	2.717	ug/L	

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29) Cyclohexane	5.477	56	7973	2.345	ug/L	98
30) 1,1,1-Trichloroethane	5.391	97	7280m	2.387	ug/L	
31) Carbon tetrachloride	5.684	117	5912	2.353	ug/L	97
33) Benzene	6.044	78	21106	2.445	ug/L	100
35) Methylcyclohexane	7.379	83	8176	2.351	ug/L #	92
37) 1,2-Dichloropropane	7.427	63	5924	2.623	ug/L #	93
38) Bromodichloromethane	7.824	83	6865	2.484	ug/L #	97
39) cis-1,3-Dichloropropene	8.372	75	6513	2.017	ug/L	87
40) 4-Methyl-2-pentanone	8.580	43	17673	4.810	ug/L	98
42) Toluene	8.720	91	22715	2.535	ug/L	95
44) trans-1,3-Dichloropropene	8.982	75	6079	2.010	ug/L	93
45) 1,1,2-Trichloroethane	9.159	97	5479	2.535	ug/L	93
46) Tetrachloroethene	9.281	164	3681	2.298	ug/L	83
49) Dibromochloromethane	9.525	129	4720	2.182	ug/L	99
50) 1,2-Dibromoethane	9.616	107	5646	2.460	ug/L	88
51) Chlorobenzene	10.079	112	13636	2.422	ug/L	99
52) Ethylbenzene	10.195	91	21432	2.244	ug/L	95
53) m,p-Xylene	10.305	106	8491	2.280	ug/L	96
54) o-Xylene	10.640	106	8453	2.338	ug/L	87
55) Styrene	10.659	104	13101	2.103	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.213	83	9229	2.705	ug/L #	96
59) Bromoform	10.799	173	3133	2.312	ug/L	99
60) Isopropylbenzene	10.963	105	20335	2.392	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	7443	2.892	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	15843	2.255	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	14962	2.136	ug/L	93
64) 1,3-Dichlorobenzene	11.969	146	8526	2.280	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	9428	2.507	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	9948	2.615	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	12.945	75	1859	2.405	ug/L	96
69) 1,3,5-Trichlorobenzene	13.115	180	6055	2.398	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	5025	2.267	ug/L	93
71) Naphthalene	13.780	128	19857	2.190	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5353	2.273	ug/L	97

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

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