

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081522\
 Data File : VX030625.D
 Acq On : 15 Aug 2022 14:06
 Operator : JC/MD
 Sample : N4015-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Aug 16 07:07:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 16 04:27:08 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2022
 Supervised By : Mahesh Dadoda 08/16/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	281004	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	249671	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	112955	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	55303	30.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.300%
7) Chloroethane-d5	1.666	69	50897	40.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.020%
11) 1,1-Dichloroethene-d2	2.306	63	101093	29.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.240%#
21) 2-Butanone-d5	4.477	46	188993	113.033	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.030%
24) Chloroform-d	5.062	84	165556	44.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.140%
26) 1,2-Dichloroethane-d4	5.964	65	122150	48.428	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.860%
32) Benzene-d6	5.976	84	290793	40.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.320%
36) 1,2-Dichloropropane-d6	7.312	67	106746	46.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.000%
41) Toluene-d8	8.653	98	254667	37.777	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.560%#
43) trans-1,3-Dichloroprop...	8.952	79	46221	40.042	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.080%
47) 2-Hexanone-d5	9.390	63	123247	104.206	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.210%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	156029	51.188	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.380%
66) 1,2-Dichlorobenzene-d4	12.323	152	98734	45.066	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4870	2.303	ug/L	96
3) Chloromethane	1.288	50	4525	2.489	ug/L	90
5) Vinyl chloride	1.374	62	4746	2.444	ug/L #	52
6) Bromomethane	1.618	94	2013	2.206	ug/L	100
8) Chloroethane	1.691	64	2800	2.531	ug/L	86
9) Trichlorofluoromethane	1.886	101	7178	2.501	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	5321	3.117	ug/L	90
12) 1,1-Dichloroethene	2.313	96	4692	2.983	ug/L #	1
13) Acetone	2.398	43	7558	6.168	ug/L	92
14) Carbon disulfide	2.514	76	9771	1.917	ug/L #	90
15) Methyl Acetate	2.715	43	6819	2.688	ug/L	97
17) trans-1,2-Dichloroethene	3.099	96	4310	2.365	ug/L	81
18) Methyl tert-butyl Ether	3.117	73	16279	2.627	ug/L	98
19) 1,1-Dichloroethane	3.617	63	9724	2.759	ug/L	96
20) cis-1,2-Dichloroethene	4.489	96	5428m	2.648	ug/L	
22) 2-Butanone	4.580	43	9989m	5.167	ug/L	
23) Bromochloromethane	4.916	128	2420m	2.354	ug/L	
27) 1,2-Dichloroethane	6.092	62	7751	2.515	ug/L #	93
29) Cyclohexane	5.470	56	6877	2.072	ug/L #	54

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.391	97	8101m	2.460	ug/L	
31) Carbon tetrachloride	5.678	117	6255	2.301	ug/L #	43
33) Benzene	6.044	78	20556	2.568	ug/L	100
35) Methylcyclohexane	7.385	83	6962	2.063	ug/L	93
37) 1,2-Dichloropropane	7.434	63	5542	2.604	ug/L	98
38) Bromodichloromethane	7.830	83	7113	2.525	ug/L	97
39) cis-1,3-Dichloropropene	8.372	75	8021	2.526	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	17996	4.855	ug/L	98
42) Toluene	8.720	91	20804	2.460	ug/L	97
44) trans-1,3-Dichloropropene	8.982	75	8130	2.616	ug/L	88
45) 1,1,2-Trichloroethane	9.153	97	5135	2.595	ug/L	88
46) Tetrachloroethene	9.275	164	3764	2.569	ug/L	85
49) Dibromochloromethane	9.525	129	5318	2.526	ug/L	83
50) 1,2-Dibromoethane	9.610	107	5449	2.504	ug/L #	85
51) Chlorobenzene	10.086	112	13311	2.527	ug/L	92
52) Ethylbenzene	10.195	91	21276	2.307	ug/L	92
53) m,p-Xylene	10.299	106	7827	2.277	ug/L	93
54) o-Xylene	10.646	106	7767	2.268	ug/L	89
55) Styrene	10.659	104	12014	2.083	ug/L	90
57) 1,1,2,2-Tetrachloroethane	11.213	83	9394	3.120	ug/L	91
59) Bromoform	10.805	173	2980	2.423	ug/L	95
60) Isopropylbenzene	10.963	105	19669	2.457	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	7210	2.972	ug/L	93
62) 1,3,5-Trimethylbenzene	11.457	105	15813	2.313	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	15450	2.238	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	8485	2.438	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	9424	2.664	ug/L	89
67) 1,2-Dichlorobenzene	12.335	146	9394	2.610	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.945	75	1840	2.299	ug/L	95
69) 1,3,5-Trichlorobenzene	13.115	180	5931m	2.430	ug/L	
70) 1,2,4-trichlorobenzene	13.591	180	5212	2.431	ug/L	96
71) Naphthalene	13.780	128	17685	1.993	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	4857	2.145	ug/L	94

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

