

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120523\
 Data File : VX039082.D
 Acq On : 05 Dec 2023 14:39
 Operator : JC/MD
 Sample : 04696-06 2.5PPB
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08

Quant Time: Dec 06 03:47:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 06 02:19:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	247069	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	231076	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	111859	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	96167	49.625	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.240%
7) Chloroethane-d5	1.666	69	72026	50.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.560%
11) 1,1-Dichloroethene-d2	2.306	65	43924	51.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.280%
21) 2-Butanone-d5	4.440	46	190609	108.661	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.660%
24) Chloroform-d	5.050	84	168263	49.049	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.100%
26) 1,2-Dichloroethane-d4	5.946	65	114107	51.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.720%
32) Benzene-d6	5.964	84	366454	51.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.780%
36) 1,2-Dichloropropane-d6	7.305	67	119051	51.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.740%
41) Toluene-d8	8.647	98	326835	50.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.140%
43) trans-1,3-Dichloroprop...	8.945	79	59300	50.774	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.540%
47) 2-Hexanone-d5	9.378	63	142156	103.706	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.710%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	168496	51.754	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.500%
66) 1,2-Dichlorobenzene-d4	12.317	152	111473	52.722	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4816	2.444	ug/L	97
3) Chloromethane	1.294	50	4769	2.316	ug/L	92
5) Vinyl chloride	1.373	62	5186	2.555	ug/L #	76
6) Bromomethane	1.611	94	3104	2.833	ug/L	97
8) Chloroethane	1.690	64	2976	2.593	ug/L	86
9) Trichlorofluoromethane	1.886	101	6148	2.337	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	5306	3.136	ug/L #	85
12) 1,1-Dichloroethene	2.318	96	4900	3.079	ug/L #	1
13) Acetone	2.367	43	7752	4.600	ug/L	99
14) Carbon disulfide	2.513	76	13900	2.744	ug/L	96
15) Methyl Acetate	2.702	43	6428	2.669	ug/L	96
16) Methylene chloride	2.788	84	5273	2.883	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	4256	2.538	ug/L	92
18) Methyl tert-butyl Ether	3.105	73	14408	2.468	ug/L	99
19) 1,1-Dichloroethane	3.605	63	8127	2.451	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	4853	2.495	ug/L	91
22) 2-Butanone	4.556	43	9844	4.760	ug/L	93
23) Bromochloromethane	4.897	128	2339m	2.558	ug/L	
25) Chloroform	5.086	83	15038	4.547	ug/L	98

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

27) 1,2-Dichloroethane	6.080	62	6730m	2.578	ug/L	
29) Cyclohexane	5.464	56	8133	2.516	ug/L #	91
30) 1,1,1-Trichloroethane	5.379	97	6545	2.334	ug/L	99
31) Carbon tetrachloride	5.671	117	5477	2.341	ug/L #	51
33) Benzene	6.031	78	17717	2.413	ug/L	100
34) Trichloroethene	7.122	95	4944	2.548	ug/L	95
35) Methylcyclohexane	7.372	83	7899	2.444	ug/L	96
37) 1,2-Dichloropropane	7.427	63	5221	2.564	ug/L #	92
38) Bromodichloromethane	7.817	83	5802	2.342	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	7918	2.438	ug/L	95
40) 4-Methyl-2-pentanone	8.567	43	16242	4.758	ug/L	97
42) Toluene	8.714	91	19447	2.497	ug/L	94
44) trans-1,3-Dichloropropene	8.976	75	7550m	2.505	ug/L	
45) 1,1,2-Trichloroethane	9.146	97	4399	2.357	ug/L	97
46) Tetrachloroethene	9.274	164	3176	2.481	ug/L	96
48) 2-Hexanone	9.427	43	15220	5.328	ug/L	95
49) Dibromochloromethane	9.518	129	4036	2.220	ug/L	93
50) 1,2-Dibromoethane	9.610	107	5009	2.505	ug/L #	92
51) Chlorobenzene	10.079	112	11850	2.464	ug/L	96
52) Ethylbenzene	10.195	91	20689	2.377	ug/L	100
53) m,p-Xylene	10.299	106	7634	2.345	ug/L	99
54) o-Xylene	10.640	106	7224	2.313	ug/L	95
55) Styrene	10.658	104	12273	2.297	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.207	83	8408	2.581	ug/L #	94
59) Bromoform	10.799	173	2761	2.100	ug/L	97
60) Isopropylbenzene	10.963	105	19642	2.403	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6387	2.607	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	17099	2.478	ug/L	96
63) 1,2,4-Trimethylbenzene	11.750	105	15906	2.351	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	8839	2.527	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	8667	2.445	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	8647	2.584	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.938	75	1754	2.294	ug/L	97
69) 1,3,5-Trichlorobenzene	13.115	180	5466	2.363	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5532	2.536	ug/L	97
71) Naphthalene	13.774	128	18499	2.473	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	5448	2.580	ug/L	98

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

