

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071323\
 Data File : VX036521.D
 Acq On : 13 Jul 2023 12:45
 Operator : JC/MD
 Sample : 03573-06 2.5PPB
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 13 13:12:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 05:47:06 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	274839	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	251417	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	122071	50.000	ug/L	0.00

07/14/2023
 Supervised By :Semsettin
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System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	99057	50.528	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.060%
7) Chloroethane-d5	1.666	69	85280	39.593	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.180%
11) 1,1-Dichloroethene-d2	2.307	65	42757	51.115	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.240%
21) 2-Butanone-d5	4.452	46	149504	109.194	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.190%
24) Chloroform-d	5.056	84	167737	47.116	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.240%
26) 1,2-Dichloroethane-d4	5.952	65	121465	49.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.900%
32) Benzene-d6	5.971	84	363160	51.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.040%
36) 1,2-Dichloropropane-d6	7.306	67	116863	51.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.600%
41) Toluene-d8	8.647	98	342341	50.382	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.760%
43) trans-1,3-Dichloroprop...	8.952	79	51287	47.743	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.480%
47) 2-Hexanone-d5	9.385	63	106819	107.640	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.640%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	157251	52.975	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.940%
66) 1,2-Dichlorobenzene-d4	12.323	152	121662	52.465	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.940%

07/14/2023

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	4310	2.248	ug/L 97
3) Chloromethane	1.295	50	5740	2.533	ug/L 96
5) Vinyl chloride	1.374	62	5879	2.501	ug/L # 70
6) Bromomethane	1.612	94	5395	2.429	ug/L 96
8) Chloroethane	1.685	64	3832	2.226	ug/L 93
9) Trichlorofluoromethane	1.886	101	9410	2.530	ug/L 93
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	5435	3.085	ug/L # 87
12) 1,1-Dichloroethene	2.313	96	4999	2.901	ug/L # 1
13) Acetone	2.380	43	4937	4.755	ug/L 94
14) Carbon disulfide	2.508	76	10419	2.255	ug/L 100
15) Methyl Acetate	2.703	43	5399	2.615	ug/L 93
16) Methylene chloride	2.788	84	6338	3.334	ug/L 97
17) trans-1,2-Dichloroethene	3.087	96	3941	2.271	ug/L 90
18) Methyl tert-butyl Ether	3.111	73	14236	2.360	ug/L 99
19) 1,1-Dichloroethane	3.611	63	7929	2.335	ug/L 94
20) cis-1,2-Dichloroethene	4.489	96	4625	2.280	ug/L 96
22) 2-Butanone	4.562	43	7938m	5.257	ug/L
23) Bromochloromethane	4.904	128	2500m	2.466	ug/L
25) Chloroform	5.093	83	19692	5.523	ug/L 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	6.086	62	6272	2.224	ug/L #	92	07/14/2023
29) Cyclohexane	5.465	56	6979	2.510	ug/L	98	Supervised By :Semsettin
30) 1,1,1-Trichloroethane	5.391	97	6908	2.364	ug/L #	82	Yesilyurt
31) Carbon tetrachloride	5.678	117	5076	2.073	ug/L	89	
33) Benzene	6.038	78	17531	2.388	ug/L	100	
35) Methylcyclohexane	7.379	83	7908	2.712	ug/L	92	
37) 1,2-Dichloropropane	7.428	63	4879	2.417	ug/L #	96	07/14/2023
38) Bromodichloromethane	7.824	83	5179	2.058	ug/L #	98	
39) cis-1,3-Dichloropropene	8.366	75	6835	2.149	ug/L	93	
40) 4-Methyl-2-pentanone	8.574	43	13906	4.943	ug/L	95	
42) Toluene	8.720	91	18846	2.413	ug/L	99	
44) trans-1,3-Dichloropropene	8.976	75	6418	2.192	ug/L	97	
45) 1,1,2-Trichloroethane	9.153	97	4627	2.412	ug/L	89	
46) Tetrachloroethene	9.275	164	3421	2.405	ug/L	96	
48) 2-Hexanone	9.433	43	10936	4.974	ug/L #	96	
49) Dibromochloromethane	9.519	129	4181	2.171	ug/L	93	
50) 1,2-Dibromoethane	9.610	107	4507	2.192	ug/L #	95	
51) Chlorobenzene	10.080	112	11994	2.362	ug/L	98	
52) Ethylbenzene	10.195	91	19111	2.223	ug/L	89	
53) m,p-Xylene	10.299	106	7569	2.308	ug/L	99	
54) o-Xylene	10.647	106	7178	2.207	ug/L	82	
55) Styrene	10.659	104	11204	2.066	ug/L	94	
57) 1,1,2,2-Tetrachloroethane	11.213	83	7399	2.483	ug/L #	84	
59) Bromoform	10.799	173	2807	2.104	ug/L	93	
60) Isopropylbenzene	10.964	105	18969	2.312	ug/L	99	
61) 1,2,3-Trichloropropane	11.238	75	5451	2.365	ug/L	98	
62) 1,3,5-Trimethylbenzene	11.451	105	14934	2.177	ug/L	99	
63) 1,2,4-Trimethylbenzene	11.750	105	15375	2.235	ug/L	97	
64) 1,3-Dichlorobenzene	11.969	146	8528	2.323	ug/L	96	
65) 1,4-Dichlorobenzene	12.043	146	8491	2.291	ug/L	94	
67) 1,2-Dichlorobenzene	12.335	146	8587	2.358	ug/L #	90	
68) 1,2-Dibromo-3-chloropr...	12.945	75	1353	2.203	ug/L #	74	
69) 1,3,5-Trichlorobenzene	13.109	180	5510	2.262	ug/L	98	
70) 1,2,4-trichlorobenzene	13.591	180	5382	2.342	ug/L	97	
71) Naphthalene	13.774	128	16960	2.163	ug/L	98	
72) 1,2,3-Trichlorobenzene	13.963	180	5050	2.255	ug/L	99	

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

