

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071223\
 Data File : VX036514.D
 Acq On : 12 Jul 2023 13:59
 Operator : JC/MD
 Sample : 03573-05 2.5PPB
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

Quant Time: Jul 13 01:29:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 01:12:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 07/13/2023
 Supervised By :Semsettin
 Yesilyurt
 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	279772	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	253778	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	125902	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	105956	53.094	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.180%
7) Chloroethane-d5	1.666	69	94951	43.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.620%
11) 1,1-Dichloroethene-d2	2.306	65	44172	51.876	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.760%
21) 2-Butanone-d5	4.452	46	150452	107.949	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.950%
24) Chloroform-d	5.056	84	172964	47.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.460%
26) 1,2-Dichloroethane-d4	5.952	65	125955	50.887	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.780%
32) Benzene-d6	5.970	84	370568	51.578	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.160%
36) 1,2-Dichloropropane-d6	7.306	67	119801	52.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.200%
41) Toluene-d8	8.647	98	352213	51.353	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.700%
43) trans-1,3-Dichloroprop...	8.952	79	52706	48.608	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.220%
47) 2-Hexanone-d5	9.384	63	111343	111.155	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.160%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	162382	54.195	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.380%
66) 1,2-Dichlorobenzene-d4	12.317	152	127666	53.379	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.760%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	5568	2.853	ug/L	93
3) Chloromethane	1.294	50	6451	2.796	ug/L	93
5) Vinyl chloride	1.374	62	6936	2.898	ug/L #	81
6) Bromomethane	1.611	94	6010	2.658	ug/L	94
8) Chloroethane	1.685	64	4356	2.486	ug/L	98
9) Trichlorofluoromethane	1.886	101	10428	2.754	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	6345	3.538	ug/L #	86
12) 1,1-Dichloroethene	2.313	96	6213	3.542	ug/L #	1
13) Acetone	2.380	43	5419	5.127	ug/L	99
14) Carbon disulfide	2.514	76	12786	2.718	ug/L	97
15) Methyl Acetate	2.703	43	5550	2.641	ug/L	99
16) Methylene chloride	2.788	84	6039	3.121	ug/L	94
17) trans-1,2-Dichloroethene	3.093	96	4348	2.461	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	15505	2.525	ug/L #	86
19) 1,1-Dichloroethane	3.605	63	8493	2.457	ug/L #	94
20) cis-1,2-Dichloroethene	4.483	96	5735	2.778	ug/L	93
22) 2-Butanone	4.562	43	8116	5.280	ug/L	92
23) Bromochloromethane	4.897	128	2580	2.500	ug/L	82
25) Chloroform	5.093	83	19621	5.406	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	7785m	2.711	ug/L	
29) Cyclohexane	5.477	56	8025m	2.860	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	7020	2.380	ug/L #	76
31) Carbon tetrachloride	5.672	117	6072	2.457	ug/L #	62
33) Benzene	6.044	78	18377	2.480	ug/L	100
34) Trichloroethene	7.135	95	5466m	2.704	ug/L	
35) Methylcyclohexane	7.373	83	8461	2.874	ug/L	98
37) 1,2-Dichloropropane	7.427	63	5614	2.756	ug/L #	92
38) Bromodichloromethane	7.818	83	5892	2.319	ug/L #	84
39) cis-1,3-Dichloropropene	8.372	75	7573m	2.359	ug/L	
40) 4-Methyl-2-pentanone	8.574	43	14702	5.177	ug/L	98
42) Toluene	8.720	91	20661	2.621	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7354	2.488	ug/L	91
45) 1,1,2-Trichloroethane	9.153	97	5271	2.722	ug/L	92
46) Tetrachloroethene	9.275	164	4224	2.941	ug/L	89
48) 2-Hexanone	9.433	43	12194	5.495	ug/L	97
49) Dibromochloromethane	9.525	129	4469	2.299	ug/L	83
50) 1,2-Dibromoethane	9.610	107	5654	2.724	ug/L #	97
51) Chlorobenzene	10.079	112	13091	2.554	ug/L	93
52) Ethylbenzene	10.195	91	22612	2.606	ug/L	98
53) m,p-Xylene	10.299	106	8793	2.656	ug/L	96
54) o-Xylene	10.640	106	8416	2.563	ug/L	89
55) Styrene	10.653	104	13141	2.401	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	8761	2.913	ug/L	98
59) Bromoform	10.799	173	2984	2.168	ug/L #	98
60) Isopropylbenzene	10.963	105	21900	2.588	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	6414	2.699	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	17886	2.529	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	17763	2.504	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	9833	2.597	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	9933	2.598	ug/L	89
67) 1,2-Dichlorobenzene	12.335	146	10272	2.734	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.939	75	1558	2.460	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.109	180	6776	2.697	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	6094	2.571	ug/L	95
71) Naphthalene	13.774	128	20838	2.577	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	6290	2.724	ug/L	96

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

