

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081622\
 Data File : VX030645.D
 Acq On : 16 Aug 2022 11:08
 Operator : JC/MD
 Sample : N4015-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

Quant Time: Aug 17 02:40:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 17 02:19:30 2022
 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	6.763	114	315064	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	284599	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	136244	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	58414	28.871	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.740%#
7) Chloroethane-d5	1.666	69	56408	39.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.100%
11) 1,1-Dichloroethene-d2	2.306	63	104139	27.210	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.420%#
21) 2-Butanone-d5	4.458	46	218510	116.559	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.560%
24) Chloroform-d	5.062	84	184702	44.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
26) 1,2-Dichloroethane-d4	5.958	65	127180	44.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.940%
32) Benzene-d6	5.976	84	324600	39.817	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.640%
36) 1,2-Dichloropropane-d6	7.312	67	120795	45.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.340%
41) Toluene-d8	8.653	98	276799	36.021	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.040%#
43) trans-1,3-Dichloroprop...	8.952	79	52321	39.763	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.520%
47) 2-Hexanone-d5	9.384	63	147285	109.247	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.250%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	184544	53.112	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.220%
66) 1,2-Dichlorobenzene-d4	12.323	152	116490	44.082	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.160%
Target Compounds						
2) Dichlorodifluoromethane	1.166	85	4732	1.996	ug/L	96
3) Chloromethane	1.288	50	4586	2.250	ug/L	97
5) Vinyl chloride	1.374	62	5161	2.370	ug/L #	74
6) Bromomethane	1.611	94	1882	1.839	ug/L	79
8) Chloroethane	1.685	64	2868	2.312	ug/L	90
9) Trichlorofluoromethane	1.886	101	7023	2.182	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5781	3.020	ug/L #	85
12) 1,1-Dichloroethene	2.325	96	4891	2.774	ug/L #	1
13) Acetone	2.392	43	7156	5.208	ug/L	96
14) Carbon disulfide	2.508	76	10812	1.892	ug/L	99
15) Methyl Acetate	2.703	43	6551	2.304	ug/L #	86
17) trans-1,2-Dichloroethene	3.093	96	4398	2.153	ug/L	87
18) Methyl tert-butyl Ether	3.117	73	15510	2.232	ug/L #	90
19) 1,1-Dichloroethane	3.611	63	9078	2.297	ug/L #	94
20) cis-1,2-Dichloroethene	4.489	96	5378	2.340	ug/L	97
22) 2-Butanone	4.568	43	10366m	4.783	ug/L	
23) Bromochloromethane	4.897	128	2949m	2.559	ug/L	
27) 1,2-Dichloroethane	6.086	62	8216	2.378	ug/L	98
29) Cyclohexane	5.477	56	7888	2.085	ug/L #	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
30) 1,1,1-Trichloroethane	5.391	97	7798	2.077	ug/L #	88	08/17/2022
31) Carbon tetrachloride	5.678	117	7007	2.262	ug/L #	65	Supervised By :Semsettin Yesilyurt
33) Benzene	6.037	78	19707	2.160	ug/L	100	
35) Methylcyclohexane	7.379	83	7633	1.984	ug/L	95	
37) 1,2-Dichloropropane	7.434	63	6142	2.532	ug/L	99	
38) Bromodichloromethane	7.824	83	7468	2.326	ug/L	99	
39) cis-1,3-Dichloropropene	8.372	75	8337m	2.304	ug/L		08/17/2022
40) 4-Methyl-2-pentanone	8.574	43	16969	4.016	ug/L	97	
42) Toluene	8.720	91	20967	2.175	ug/L	98	
44) trans-1,3-Dichloropropene	8.982	75	9594	2.708	ug/L	94	
45) 1,1,2-Trichloroethane	9.159	97	5059	2.242	ug/L	97	
46) Tetrachloroethene	9.281	164	3646	2.183	ug/L	89	
49) Dibromochloromethane	9.525	129	5066	2.111	ug/L	91	
50) 1,2-Dibromoethane	9.610	107	5245	2.114	ug/L #	89	
51) Chlorobenzene	10.079	112	13764	2.292	ug/L	96	
52) Ethylbenzene	10.195	91	21736	2.068	ug/L	99	
53) m,p-Xylene	10.299	106	8137	2.077	ug/L	88	
54) o-Xylene	10.640	106	7649	1.959	ug/L	91	
55) Styrene	10.659	104	12672	1.928	ug/L	89	
57) 1,1,2,2-Tetrachloroethane	11.213	83	8874	2.585	ug/L #	76	
59) Bromoform	10.805	173	2813	1.896	ug/L	95	
60) Isopropylbenzene	10.963	105	19451	2.014	ug/L	98	
61) 1,2,3-Trichloropropane	11.244	75	6966	2.381	ug/L	94	
62) 1,3,5-Trimethylbenzene	11.451	105	15252	1.850	ug/L	98	
63) 1,2,4-Trimethylbenzene	11.756	105	15269	1.834	ug/L	100	
64) 1,3-Dichlorobenzene	11.969	146	8786	2.093	ug/L	97	
65) 1,4-Dichlorobenzene	12.042	146	10046	2.354	ug/L	94	
67) 1,2-Dichlorobenzene	12.335	146	10468	2.411	ug/L	91	
68) 1,2-Dibromo-3-chloropr...	12.945	75	2067	2.142	ug/L	89	
69) 1,3,5-Trichlorobenzene	13.115	180	6000	2.038	ug/L	95	
70) 1,2,4-trichlorobenzene	13.591	180	5497	2.126	ug/L	95	
71) Naphthalene	13.780	128	19182	1.792	ug/L	97	
72) 1,2,3-Trichlorobenzene	13.963	180	5362	1.963	ug/L	96	

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

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