

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076690.D
 Acq On : 03 Jul 2023 14:15
 Operator : KP/SY
 Sample : 03472-21
 Misc : 5.93G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46R2

Quant Time: Jul 04 01:10:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	6824	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	6894	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	3113	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.264	65	510	3.069	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	12.280%#
7) Chloroethane-d5	2.799	69	870	6.474	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	25.880%#
11) 1,1-Dichloroethene-d2	3.905	65	217	5.002	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	20.000%#
21) 2-Butanone-d5	7.040	46	311	12.357	ug/L	0.05
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.720%
24) Chloroform-d	7.563	84	3164	17.599	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.400%
26) 1,2-Dichloroethane-d4	8.234	65	2807	31.649	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.600%
32) Benzene-d6	8.205	84	4599	10.905	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	43.640%
36) 1,2-Dichloropropane-d6	9.216	67	2780	20.652	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.600%
41) Toluene-d8	10.269	98	4272	10.940	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	43.760%
43) trans-1,3-Dichloroprop...	10.528	79	950	16.967	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.880%
47) 2-Hexanone-d5	10.881	63	3225	154.338	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	308.680%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	5362	55.989	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	223.960%#
66) 1,2-Dichlorobenzene-d4	13.816	152	2518	22.067	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.280%
Target Compounds						
					Qvalue	
6) Bromomethane	2.693	94	133	1.259	ug/L	75
13) Acetone	4.016	43	556	27.351	ug/L	# 41
15) Methyl Acetate	4.575	43	247	5.323	ug/L	# 53
16) Methylene chloride	4.799	84	189	1.593	ug/L	# 26
22) 2-Butanone	7.081	43	63	1.920	ug/L	# 49
25) Chloroform	7.510	83	67	0.380	ug/L	# 18
30) 1,1,1-Trichloroethane	7.610	97	62	0.387	ug/L	# 24
33) Benzene	8.040	78	152	0.333	ug/L	100
34) Trichloroethene	9.028	95	210	1.792	ug/L	# 19
35) Methylcyclohexane	9.269	83	231	1.222	ug/L	# 11
37) 1,2-Dichloropropane	9.210	63	259	2.082	ug/L	# 88
38) Bromodichloromethane	9.575	83	182	1.283	ug/L	# 26
40) 4-Methyl-2-pentanone	10.157	43	220	2.843	ug/L	# 44
42) Toluene	10.440	91	162	0.332	ug/L	93
45) 1,1,2-Trichloroethane	10.734	97	267	3.129	ug/L	# 59
46) Tetrachloroethene	10.969	164	64	0.695	ug/L	# 1
48) 2-Hexanone	10.922	43	290	5.472	ug/L	# 64
49) Dibromochloromethane	10.969	129	194	2.001	ug/L	73
50) 1,2-Dibromoethane	11.187	107	132	1.594	ug/L	# 1

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

51) Chlorobenzene	11.634	112	158	0.519	ug/L #	1	
52) Ethylbenzene	11.687	91	240	0.457	ug/L	89	
53) m,p-Xylene	11.798	106	275	1.332	ug/L	82	
54) o-Xylene	12.151	106	97	0.493	ug/L	84	
55) Styrene	12.040	104	169	0.497	ug/L #	31	
57) 1,1,2,2-Tetrachloroethane	12.669	83	273	2.800	ug/L #	49	
59) Bromoform	12.222	173	64	1.148	ug/L #	1	
60) Isopropylbenzene	12.410	105	585	1.229	ug/L #	54	
61) 1,2,3-Trichloropropane	12.722	75	80	1.324	ug/L #	1	
62) 1,3,5-Trimethylbenzene	12.951	105	291	0.764	ug/L	90	
63) 1,2,4-Trimethylbenzene	12.951	105	291	0.774	ug/L	94	
64) 1,3-Dichlorobenzene	13.187	146	70	0.330	ug/L #	1	
65) 1,4-Dichlorobenzene	13.745	146	116	0.543	ug/L #	1	
67) 1,2-Dichlorobenzene	13.745	146	116	0.615	ug/L #	1	
69) 1,3,5-Trichlorobenzene	14.787	180	144	1.019	ug/L #	1	
70) 1,2,4-trichlorobenzene	14.787	180	144	1.145	ug/L #	1	
71) Naphthalene	15.334	128	535	2.223	ug/L #	61	

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

