

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042523\
 Data File : VD075820.D
 Acq On : 25 Apr 2023 19:22
 Operator : KP/SY
 Sample : 02419-11MS
 Misc : 4.52G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EW925MS

Quant Time: Apr 26 02:44:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Apr 26 02:39:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	260995	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	177948	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	43261	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	172608	30.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 120.600%	
7) Chloroethane-d5	2.805	69	150967	30.517	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 122.080%	
11) 1,1-Dichloroethene-d2	3.916	65	36007	27.278	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 109.120%	
21) 2-Butanone-d5	6.993	46	28698	57.737	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 115.480%	
24) Chloroform-d	7.569	84	190274	29.154	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 116.600%	
26) 1,2-Dichloroethane-d4	8.228	65	84068	30.163	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 120.640%	
32) Benzene-d6	8.204	84	389166	37.522	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 150.080%#	
36) 1,2-Dichloropropane-d6	9.210	67	110156	38.372	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 153.480%#	
41) Toluene-d8	10.269	98	311464	32.077	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 128.320%	
43) trans-1,3-Dichloroprop...	10.528	79	40266	33.934	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 135.720%#	
47) 2-Hexanone-d5	10.875	63	24319	70.356	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 140.720%#	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	69195	31.499	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 126.000%#	
66) 1,2-Dichlorobenzene-d4	13.816	152	40563	26.508	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 106.040%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	112981	31.401	ug/L	99
3) Chloromethane	2.146	50	158206	31.542	ug/L	99
5) Vinyl chloride	2.287	62	187601	28.618	ug/L	95
6) Bromomethane	2.693	94	123898	28.128	ug/L	100
8) Chloroethane	2.840	64	122431	28.879	ug/L	100
9) Trichlorofluoromethane	3.175	101	143438	27.233	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	83441	23.581	ug/L	98
12) 1,1-Dichloroethene	3.940	96	93190	27.156	ug/L	89
13) Acetone	4.028	43	31722	74.577	ug/L	97
14) Carbon disulfide	4.269	76	305028	25.448	ug/L	97
15) Methyl Acetate	4.563	43	25723	27.904	ug/L #	57
16) Methylene chloride	4.799	84	133940	25.297	ug/L	94
17) trans-1,2-Dichloroethene	5.310	96	100934	26.231	ug/L	100
18) Methyl tert-butyl Ether	5.322	73	175905	28.499	ug/L #	87
19) 1,1-Dichloroethane	6.110	63	164101	29.111	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	110984	27.277	ug/L	93
22) 2-Butanone	7.081	43	33157	59.792	ug/L	95
23) Bromochloromethane	7.428	128	54574	28.922	ug/L	93
25) Chloroform	7.599	83	175275	27.744	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	93519	28.678	ug/L	100
29) Cyclohexane	7.881	56	65338	21.448	ug/L	95
30) 1,1,1-Trichloroethane	7.793	97	130750	34.728	ug/L	100
31) Carbon tetrachloride	7.987	117	91576	30.317	ug/L	100
33) Benzene	8.252	78	395888	36.779	ug/L	100
34) Trichloroethene	9.028	95	83886	30.136	ug/L	98
35) Methylcyclohexane	9.275	83	62614	14.590	ug/L	98
37) 1,2-Dichloropropane	9.304	63	91608	37.050	ug/L	98
38) Bromodichloromethane	9.587	83	117966	35.384	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	132524	33.702	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	67056	74.384	ug/L	99
42) Toluene	10.334	91	364058	31.254	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	105076	33.264	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	73798	35.083	ug/L	98
46) Tetrachloroethene	10.810	164	50127	21.955	ug/L	95
48) 2-Hexanone	10.922	43	49355	77.660	ug/L	90
49) Dibromochloromethane	11.075	129	75930	33.158	ug/L	95
50) 1,2-Dibromoethane	11.181	107	65307	34.437	ug/L #	95
51) Chlorobenzene	11.610	112	194090	25.470	ug/L	99
52) Ethylbenzene	11.687	91	267502	22.395	ug/L	100
53) m,p-Xylene	11.793	106	103823	21.829	ug/L	100
54) o-Xylene	12.122	106	100164	22.173	ug/L	98
55) Styrene	12.134	104	192624	24.499	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	61927	28.934	ug/L	97
59) Bromoform	12.298	173	38736	58.424	ug/L	99
60) Isopropylbenzene	12.422	105	181730	31.681	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	42416	62.414	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	104464	24.422	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	99141	24.044	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	66202	24.120	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	69123	23.996	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	60930	24.859	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.451	75	6262	46.093	ug/L	87
69) 1,3,5-Trichlorobenzene	14.598	180	17476	9.500	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	12011	7.879	ug/L	99
71) Naphthalene	15.333	128	41248	14.785	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	9285	6.823	ug/L	99

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

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