

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022323\
 Data File : VD075422.D
 Acq On : 23 Feb 2023 19:36
 Operator : KP/SY
 Sample : MDL02
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Quant Time: Feb 24 00:27:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:55:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	81686	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	73905	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	36171	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	35932	22.203	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.800%
7) Chloroethane-d5	2.805	69	31286	22.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.440%
11) 1,1-Dichloroethene-d2	3.922	63	46382	19.198	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.800%
21) 2-Butanone-d5	6.987	46	10686	44.278	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.560%
24) Chloroform-d	7.569	84	55650	23.634	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.520%
26) 1,2-Dichloroethane-d4	8.234	65	27927	23.976	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.920%
32) Benzene-d6	8.204	84	108912	23.605	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.440%
36) 1,2-Dichloropropane-d6	9.210	67	31543	23.001	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.000%
41) Toluene-d8	10.269	98	99043	23.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.960%
43) trans-1,3-Dichloroprop...	10.528	79	12439	22.523	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.080%
47) 2-Hexanone-d5	10.881	63	7718	42.756	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.520%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	21607	22.291	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.160%
66) 1,2-Dichlorobenzene-d4	13.816	152	28743	22.511	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.040%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	15397	9.827	ug/L	100
3) Chloromethane	2.146	50	18916	10.103	ug/L	99
5) Vinyl chloride	2.281	62	20786	9.987	ug/L	98
6) Bromomethane	2.699	94	10494	10.129	ug/L	88
8) Chloroethane	2.840	64	12736	10.045	ug/L	97
9) Trichlorofluoromethane	3.181	101	23002	9.770	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	14491	10.252	ug/L	99
12) 1,1-Dichloroethene	3.946	96	11856	9.744	ug/L #	81
13) Acetone	4.022	43	5314	16.244	ug/L	97
14) Carbon disulfide	4.275	76	38136	9.722	ug/L	99
15) Methyl Acetate	4.563	43	5208	10.365	ug/L	99
16) Methylene chloride	4.805	84	15790	9.667	ug/L	95
17) trans-1,2-Dichloroethene	5.310	96	12747	10.164	ug/L	90
18) Methyl tert-butyl Ether	5.322	73	25800	10.083	ug/L #	89
19) 1,1-Dichloroethane	6.116	63	25860	10.706	ug/L	97
20) cis-1,2-Dichloroethene	7.087	96	14144	10.565	ug/L	99
22) 2-Butanone	7.087	43	7338	19.276	ug/L #	63
23) Bromochloromethane	7.428	128	6194	10.454	ug/L	80
25) Chloroform	7.599	83	26436	10.666	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	16239	10.423	ug/L	100
29) Cyclohexane	7.875	56	19185	9.480	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	22754	10.123	ug/L	98
31) Carbon tetrachloride	7.987	117	19124	9.909	ug/L	99
33) Benzene	8.252	78	54974	10.378	ug/L	100
34) Trichloroethene	9.034	95	14528	10.316	ug/L	90
35) Methylcyclohexane	9.275	83	22275	9.873	ug/L	99
37) 1,2-Dichloropropane	9.304	63	14914	10.802	ug/L #	96
38) Bromodichloromethane	9.587	83	18758	10.502	ug/L	97
39) cis-1,3-Dichloropropene	10.022	75	21108	10.534	ug/L	95
40) 4-Methyl-2-pentanone	10.157	43	14334	19.322	ug/L	95
42) Toluene	10.334	91	59036	10.521	ug/L	93
44) trans-1,3-Dichloropropene	10.557	75	17189	10.312	ug/L	92
45) 1,1,2-Trichloroethane	10.734	97	10179	10.552	ug/L	95
46) Tetrachloroethene	10.810	164	11566	10.409	ug/L #	86
48) 2-Hexanone	10.928	43	10383	18.916	ug/L	97
49) Dibromochloromethane	11.075	129	11936	10.525	ug/L	100
50) 1,2-Dibromoethane	11.181	107	9178	10.296	ug/L #	90
51) Chlorobenzene	11.610	112	36786	10.337	ug/L	97
52) Ethylbenzene	11.687	91	64451	10.397	ug/L	98
53) m,p-Xylene	11.798	106	24118	10.318	ug/L	89
54) o-Xylene	12.128	106	22542	10.201	ug/L	100
55) Styrene	12.140	104	39692	10.338	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	11483	10.715	ug/L	95
59) Bromoform	12.304	173	6960	10.399	ug/L #	98
60) Isopropylbenzene	12.422	105	60782	10.007	ug/L	99
61) 1,2,3-Trichloropropane	12.734	75	7757	10.871	ug/L	98
62) 1,3,5-Trimethylbenzene	12.910	105	47473	9.975	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	46977	10.239	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	28162	10.653	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	27953	10.360	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	25342	10.935	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.451	75	1966	12.229	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.598	180	18056	10.362	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	14662	10.458	ug/L	92
71) Naphthalene	15.333	128	24188	9.543	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	12778	10.569	ug/L	98

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

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