

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051123\
 Data File : VD076077.D
 Acq On : 11 May 2023 13:31
 Operator : KP/SY
 Sample : VSTDICV025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VICV151

Quant Time: May 12 02:55:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 12 02:22:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	435763	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	392837	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	196844	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	130257	19.541	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.160%
7) Chloroethane-d5	2.799	69	122573	20.028	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.120%
11) 1,1-Dichloroethene-d2	3.917	65	32747	19.513	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.040%
21) 2-Butanone-d5	6.981	46	42523	47.378	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.760%
24) Chloroform-d	7.569	84	195525	21.417	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.680%
26) 1,2-Dichloroethane-d4	8.228	65	85656	21.345	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.360%
32) Benzene-d6	8.199	84	380957	21.510	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.040%
36) 1,2-Dichloropropane-d6	9.210	67	119252	21.852	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.400%
41) Toluene-d8	10.269	98	349471	22.142	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.560%
43) trans-1,3-Dichloroprop...	10.528	79	44292	21.621	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.480%
47) 2-Hexanone-d5	10.881	63	37480	46.899	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.800%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	104401	22.215	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.880%
66) 1,2-Dichlorobenzene-d4	13.816	152	122447	21.775	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.120%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	129391	23.741	ug/L	100
3) Chloromethane	2.146	50	189449	24.452	ug/L	99
5) Vinyl chloride	2.281	62	231359	23.391	ug/L	100
6) Bromomethane	2.693	94	135578	22.097	ug/L	98
8) Chloroethane	2.834	64	151511	23.872	ug/L	99
9) Trichlorofluoromethane	3.170	101	188241	23.247	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	133359	23.119	ug/L	96
12) 1,1-Dichloroethene	3.940	96	120443	23.297	ug/L	85
13) Acetone	4.028	43	38289	47.885	ug/L	97
14) Carbon disulfide	4.270	76	385126	23.924	ug/L	100
15) Methyl Acetate	4.564	43	40118	23.327	ug/L #	61
16) Methylene chloride	4.805	84	164929	23.276	ug/L	95
17) trans-1,2-Dichloroethene	5.311	96	133466	24.111	ug/L	95
18) Methyl tert-butyl Ether	5.317	73	239113	24.342	ug/L	99
19) 1,1-Dichloroethane	6.111	63	218995	23.211	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	148007	24.120	ug/L	97
22) 2-Butanone	7.081	43	54008	48.344	ug/L	93
23) Bromochloromethane	7.428	128	70420	23.476	ug/L #	90
25) Chloroform	7.599	83	236618	23.488	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	129502	24.394	ug/L	96
29) Cyclohexane	7.875	56	162293	24.906	ug/L	92
30) 1,1,1-Trichloroethane	7.793	97	187033	23.437	ug/L	98
31) Carbon tetrachloride	7.993	117	152116	24.197	ug/L	99
33) Benzene	8.252	78	543034	24.864	ug/L	100
34) Trichloroethene	9.028	95	132339	23.476	ug/L	96
35) Methylcyclohexane	9.275	83	208860	24.454	ug/L	97
37) 1,2-Dichloropropane	9.305	63	135544	24.332	ug/L	99
38) Bromodichloromethane	9.587	83	170060	23.827	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	197673	24.635	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	113145	50.392	ug/L	97
42) Toluene	10.334	91	593411	25.451	ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	166064	24.803	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	105510	23.457	ug/L	92
46) Tetrachloroethene	10.810	164	111154	23.602	ug/L	94
48) 2-Hexanone	10.922	43	85137	52.252	ug/L	90
49) Dibromochloromethane	11.075	129	115664	23.833	ug/L	100
50) 1,2-Dibromoethane	11.181	107	93927	23.645	ug/L	98
51) Chlorobenzene	11.604	112	371942	23.439	ug/L	98
52) Ethylbenzene	11.687	91	603696	24.958	ug/L	97
53) m,p-Xylene	11.793	106	243046	25.768	ug/L	100
54) o-Xylene	12.122	106	227409	25.422	ug/L	96
55) Styrene	12.134	104	405985	25.617	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.675	83	117654	23.365	ug/L	99
59) Bromoform	12.299	173	68508	23.950	ug/L	99
60) Isopropylbenzene	12.422	105	584395	26.147	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	75176	23.743	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	442571	25.810	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	431907	26.337	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	282564	24.351	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	291902	24.181	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	252253	23.833	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	14927	23.501	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.593	180	177425	24.063	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	143908	24.661	ug/L	99
71) Naphthalene	15.334	128	273029	24.898	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	136165	25.660	ug/L	97

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

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