

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121123\
 Data File : VD077803.D
 Acq On : 11 Dec 2023 09:19
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025231

Quant Time: Dec 11 13:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	302199	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	283033	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	144568	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	127657	15.490	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.960%
7) Chloroethane-d5	2.810	69	118677	18.067	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.280%
11) 1,1-Dichloroethene-d2	3.922	65	35679	16.697	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.800%
21) 2-Butanone-d5	6.987	46	45880	44.049	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.100%
24) Chloroform-d	7.575	84	181358	22.267	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.080%
26) 1,2-Dichloroethane-d4	8.234	65	87753	21.265	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.040%
32) Benzene-d6	8.204	84	354106	20.773	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.080%
36) 1,2-Dichloropropane-d6	9.216	67	111771	21.490	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.960%
41) Toluene-d8	10.275	98	324307	20.670	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.680%
43) trans-1,3-Dichloroprop...	10.528	79	47842	20.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.200%
47) 2-Hexanone-d5	10.881	63	39779	44.385	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.760%
56) 1,1,2,2-Tetrachloroeth...	12.657	84	90790	24.157	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.640%
66) 1,2-Dichlorobenzene-d4	13.822	152	116087	22.446	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	100941	20.923	ug/L	99
3) Chloromethane	2.152	50	124216	17.922	ug/L	97
5) Vinyl chloride	2.287	62	174857	20.254	ug/L	99
6) Bromomethane	2.704	94	79835	17.457	ug/L	99
8) Chloroethane	2.846	64	115712	21.473	ug/L	99
9) Trichlorofluoromethane	3.187	101	158946	21.587	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	100069	23.038	ug/L	95
12) 1,1-Dichloroethene	3.946	96	91646	22.294	ug/L #	88
13) Acetone	4.022	43	55558	41.632	ug/L	98
14) Carbon disulfide	4.281	76	302089	20.737	ug/L	99
15) Methyl Acetate	4.569	43	38090	19.939	ug/L	95
16) Methylene chloride	4.810	84	95792	17.852	ug/L	88
17) trans-1,2-Dichloroethene	5.316	96	97855	22.831	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	204624	21.658	ug/L #	76
19) 1,1-Dichloroethane	6.122	63	176688	21.873	ug/L	94
20) cis-1,2-Dichloroethene	7.087	96	106832	22.431	ug/L	94
22) 2-Butanone	7.081	43	57472	38.264	ug/L #	58
23) Bromochloromethane	7.428	128	45388	22.890	ug/L	82
25) Chloroform	7.598	83	178539	22.450	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	109988	22.111	ug/L	100
29) Cyclohexane	7.881	56	153337	20.531	ug/L	91
30) 1,1,1-Trichloroethane	7.798	97	153332	22.139	ug/L	99
31) Carbon tetrachloride	7.992	117	140083	23.000	ug/L	99
33) Benzene	8.251	78	398114	21.611	ug/L	100
34) Trichloroethene	9.034	95	103814	22.702	ug/L	95
35) Methylcyclohexane	9.275	83	171736	21.154	ug/L	96
37) 1,2-Dichloropropane	9.310	63	104435	21.743	ug/L	99
38) Bromodichloromethane	9.586	83	128910	22.071	ug/L #	97
39) cis-1,3-Dichloropropene	10.022	75	160735	21.429	ug/L	98
40) 4-Methyl-2-pentanone	10.163	43	104323	39.360	ug/L	96
42) Toluene	10.333	91	441934	22.586	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	136863	21.846	ug/L	97
45) 1,1,2-Trichloroethane	10.733	97	74660	23.145	ug/L	96
46) Tetrachloroethene	10.810	164	81478	22.096	ug/L	97
48) 2-Hexanone	10.922	43	85140	37.792	ug/L #	90
49) Dibromochloromethane	11.075	129	85298	22.238	ug/L	95
50) 1,2-Dibromoethane	11.180	107	68042	21.872	ug/L	99
51) Chlorobenzene	11.610	112	282315	23.268	ug/L	97
52) Ethylbenzene	11.686	91	479366	22.100	ug/L	97
53) m,p-Xylene	11.798	106	184311	22.488	ug/L	99
54) o-Xylene	12.122	106	178395	22.743	ug/L	92
55) Styrene	12.139	104	310269	22.606	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	84534	22.116	ug/L	97
59) Bromoform	12.304	173	54023	22.585	ug/L #	98
60) Isopropylbenzene	12.422	105	486767	22.559	ug/L	99
61) 1,2,3-Trichloropropane	12.727	75	55710	20.950	ug/L	99
62) 1,3,5-Trimethylbenzene	12.910	105	355889	21.959	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	366639	22.312	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	211389	22.652	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	221220	22.845	ug/L	96
67) 1,2-Dichlorobenzene	13.833	146	189877	22.612	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	11981	19.108	ug/L	98
69) 1,3,5-Trichlorobenzene	14.598	180	146166	23.002	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	120862	22.405	ug/L	99
71) Naphthalene	15.333	128	215001	21.801	ug/L	97
72) 1,2,3-Trichlorobenzene	15.527	180	105909	22.395	ug/L	99

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

