

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083023\
 Data File : VD077072.D
 Acq On : 30 Aug 2023 09:18
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025183

Quant Time: Aug 31 02:04:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 25 23:54:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	280323	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	295019	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	166470	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	130082	16.874	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.480%
7) Chloroethane-d5	2.793	69	143618	20.152	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	3.917	65	33086	18.113	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.440%
21) 2-Butanone-d5	6.981	46	77705	62.782	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.560%
24) Chloroform-d	7.569	84	238857	26.167	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.680%
26) 1,2-Dichloroethane-d4	8.228	65	126852	27.877	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.520%
32) Benzene-d6	8.199	84	428934	23.125	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.480%
36) 1,2-Dichloropropane-d6	9.210	67	138366	24.262	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.040%
41) Toluene-d8	10.269	98	400703	23.562	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.240%
43) trans-1,3-Dichloroprop...	10.522	79	62763	24.342	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.360%
47) 2-Hexanone-d5	10.881	63	69014	63.352	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.700%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	163003	29.579	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.320%
66) 1,2-Dichlorobenzene-d4	13.816	152	157190	25.828	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.320%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	93033	20.023	ug/L	99
3) Chloromethane	2.146	50	162109	26.893	ug/L	99
5) Vinyl chloride	2.281	62	192611	22.344	ug/L	95
6) Bromomethane	2.687	94	134458	20.896	ug/L	97
8) Chloroethane	2.828	64	130348	22.462	ug/L	98
9) Trichlorofluoromethane	3.169	101	189259	26.517	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	100878	21.691	ug/L	97
12) 1,1-Dichloroethene	3.934	96	92527	22.437	ug/L	75
13) Acetone	4.016	43	85829	67.815	ug/L	96
14) Carbon disulfide	4.264	76	318999	22.287	ug/L	97
15) Methyl Acetate	4.564	43	51699	24.167	ug/L #	86
16) Methylene chloride	4.799	84	129962	22.102	ug/L #	76
17) trans-1,2-Dichloroethene	5.305	96	106671	22.845	ug/L	90
18) Methyl tert-butyl Ether	5.316	73	250070	24.242	ug/L #	91
19) 1,1-Dichloroethane	6.105	63	180618	23.167	ug/L	94
20) cis-1,2-Dichloroethene	7.075	96	125932	24.160	ug/L	88
22) 2-Butanone	7.075	43	93333	52.708	ug/L	86
23) Bromochloromethane	7.422	128	63120	24.967	ug/L	75
25) Chloroform	7.593	83	206759	24.214	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	133948	25.030	ug/L	97
29) Cyclohexane	7.875	56	129324	19.913	ug/L #	79
30) 1,1,1-Trichloroethane	7.787	97	167606	22.928	ug/L	97
31) Carbon tetrachloride	7.987	117	144139	24.093	ug/L	99
33) Benzene	8.246	78	454956	23.527	ug/L	100
34) Trichloroethene	9.028	95	112488	22.337	ug/L	93
35) Methylcyclohexane	9.275	83	176827	21.531	ug/L	90
37) 1,2-Dichloropropane	9.304	63	115871	23.588	ug/L #	97
38) Bromodichloromethane	9.587	83	162745	24.058	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	188911	23.828	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	156346	50.514	ug/L #	90
42) Toluene	10.334	91	496808	23.626	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	169288	24.432	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	105988	24.277	ug/L	96
46) Tetrachloroethene	10.810	164	93630	24.669	ug/L	94
48) 2-Hexanone	10.922	43	134858	56.658	ug/L #	90
49) Dibromochloromethane	11.075	129	122533	25.228	ug/L	96
50) 1,2-Dibromoethane	11.181	107	105870	24.864	ug/L	94
51) Chlorobenzene	11.610	112	332355	24.259	ug/L	94
52) Ethylbenzene	11.681	91	531326	23.712	ug/L	99
53) m,p-Xylene	11.793	106	209577	24.240	ug/L	89
54) o-Xylene	12.122	106	200202	24.076	ug/L	93
55) Styrene	12.134	104	380805	25.328	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.675	83	134727	24.950	ug/L	93
59) Bromoform	12.298	173	84083	25.469	ug/L #	97
60) Isopropylbenzene	12.422	105	523774	21.877	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	88383	22.748	ug/L	94
62) 1,3,5-Trimethylbenzene	12.904	105	411541	22.564	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	411059	22.647	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	247566	22.657	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	264538	23.422	ug/L	100
67) 1,2-Dichlorobenzene	13.828	146	239264	23.359	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	20004	22.471	ug/L	98
69) 1,3,5-Trichlorobenzene	14.592	180	163878	23.967	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	142493	23.691	ug/L	99
71) Naphthalene	15.334	128	329513	23.299	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	135732	24.884	ug/L	98

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

