

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100423\
 Data File : VD077268.D
 Acq On : 04 Oct 2023 16:39
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025199

Quant Time: Oct 04 22:28:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 22:27:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	247444	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	255299	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	150725	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	117645	17.976	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.920%
7) Chloroethane-d5	2.793	69	98180	23.806	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.240%
11) 1,1-Dichloroethene-d2	3.917	65	31533	17.125	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.480%
21) 2-Butanone-d5	6.987	46	79205	66.797	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.600%
24) Chloroform-d	7.563	84	224213	24.030	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.120%
26) 1,2-Dichloroethane-d4	8.228	65	109462	23.584	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.320%
32) Benzene-d6	8.199	84	393615	21.226	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.920%
36) 1,2-Dichloropropane-d6	9.210	67	134205	23.284	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.120%
41) Toluene-d8	10.269	98	338673	20.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.160%
43) trans-1,3-Dichloroprop...	10.522	79	51254	21.869	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.480%
47) 2-Hexanone-d5	10.875	63	59159	64.161	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.320%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	152727	29.325	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.320%
66) 1,2-Dichlorobenzene-d4	13.810	152	131684	21.194	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	85098	21.148	ug/L	99
3) Chloromethane	2.146	50	113103	21.663	ug/L	94
5) Vinyl chloride	2.276	62	153278	24.651	ug/L	97
6) Bromomethane	2.687	94	69181	18.186	ug/L	97
8) Chloroethane	2.828	64	90039	29.527	ug/L	98
9) Trichlorofluoromethane	3.170	101	169127	26.307	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	119849	26.081	ug/L	97
12) 1,1-Dichloroethene	3.934	96	92848	24.215	ug/L	98
13) Acetone	4.022	43	70942	57.659	ug/L	98
14) Carbon disulfide	4.258	76	228896	22.891	ug/L	98
15) Methyl Acetate	4.558	43	59710	28.417	ug/L	94
16) Methylene chloride	4.793	84	153542	24.917	ug/L	95
17) trans-1,2-Dichloroethene	5.305	96	106078	24.579	ug/L	96
18) Methyl tert-butyl Ether	5.311	73	265332	26.081	ug/L	99
19) 1,1-Dichloroethane	6.105	63	211319	25.979	ug/L	96
20) cis-1,2-Dichloroethene	7.069	96	130052	24.681	ug/L	95
22) 2-Butanone	7.081	43	92878	58.356	ug/L	97
23) Bromochloromethane	7.422	128	61781	24.762	ug/L	87
25) Chloroform	7.593	83	230695	25.629	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	135258	25.398	ug/L #	93
29) Cyclohexane	7.875	56	137464	26.468	ug/L	96
30) 1,1,1-Trichloroethane	7.787	97	187948	25.413	ug/L	99
31) Carbon tetrachloride	7.987	117	153208	25.632	ug/L	98
33) Benzene	8.246	78	483222	25.636	ug/L	100
34) Trichloroethene	9.028	95	120740	25.385	ug/L	93
35) Methylcyclohexane	9.269	83	172233	26.001	ug/L	97
37) 1,2-Dichloropropane	9.305	63	134883	26.083	ug/L	98
38) Bromodichloromethane	9.581	83	173653	25.269	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	197264	25.110	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	175737	59.309	ug/L	99
42) Toluene	10.334	91	528566	25.992	ug/L	94
44) trans-1,3-Dichloropropene	10.552	75	176524	25.994	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	116588	26.476	ug/L	93
46) Tetrachloroethene	10.804	164	92224	24.719	ug/L	94
48) 2-Hexanone	10.922	43	139224	61.269	ug/L	98
49) Dibromochloromethane	11.069	129	122429	24.978	ug/L	98
50) 1,2-Dibromoethane	11.175	107	105239	25.536	ug/L #	92
51) Chlorobenzene	11.604	112	342517	24.798	ug/L	97
52) Ethylbenzene	11.681	91	570507	25.878	ug/L	98
53) m,p-Xylene	11.793	106	220150	26.184	ug/L	98
54) o-Xylene	12.122	106	210974	25.733	ug/L	96
55) Styrene	12.134	104	401829	26.958	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.669	83	149162	28.333	ug/L	99
59) Bromoform	12.299	173	82811	24.403	ug/L	98
60) Isopropylbenzene	12.422	105	575637	24.443	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	100146	26.236	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	439852	24.428	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	440412	24.633	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	266831	23.280	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	275536	23.005	ug/L	97
67) 1,2-Dichlorobenzene	13.828	146	248585	23.543	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	20725	25.375	ug/L	97
69) 1,3,5-Trichlorobenzene	14.592	180	174955	23.219	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	145974	22.602	ug/L	99
71) Naphthalene	15.328	128	331694	24.811	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	144533	23.954	ug/L	98

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

