

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050323\
 Data File : VD075993.D
 Acq On : 03 May 2023 20:56
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025147

Quant Time: May 04 03:11:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 04 02:54:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	324867	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	305330	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	158524	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	154629	21.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.800%
7) Chloroethane-d5	2.799	69	141196	22.930	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.720%
11) 1,1-Dichloroethene-d2	3.916	65	36082	21.960	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.840%
21) 2-Butanone-d5	6.987	46	37643	60.843	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.680%
24) Chloroform-d	7.563	84	200566	24.689	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.760%
26) 1,2-Dichloroethane-d4	8.228	65	91609	26.406	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.640%
32) Benzene-d6	8.199	84	415124	23.327	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.320%
36) 1,2-Dichloropropane-d6	9.210	67	123753	25.124	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.480%
41) Toluene-d8	10.269	98	384219	23.062	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.240%
43) trans-1,3-Dichloroprop...	10.522	79	47254	23.209	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.840%
47) 2-Hexanone-d5	10.881	63	34886	58.820	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.640%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	106171	28.167	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.680%
66) 1,2-Dichlorobenzene-d4	13.816	152	127923	22.814	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	121522	27.135	ug/L	98
3) Chloromethane	2.146	50	201253	32.236	ug/L	99
5) Vinyl chloride	2.275	62	227632	27.898	ug/L	99
6) Bromomethane	2.687	94	111339	20.307	ug/L	99
8) Chloroethane	2.834	64	146976	27.852	ug/L	99
9) Trichlorofluoromethane	3.169	101	169204	25.809	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	119469	27.124	ug/L	96
12) 1,1-Dichloroethene	3.934	96	112690	26.382	ug/L	90
13) Acetone	4.022	43	29502	55.721	ug/L	76
14) Carbon disulfide	4.263	76	383510	25.705	ug/L	97
15) Methyl Acetate	4.558	43	38389	33.456	ug/L #	59
16) Methylene chloride	4.793	84	149889	22.744	ug/L	98
17) trans-1,2-Dichloroethene	5.305	96	126985	26.513	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	216474	28.176	ug/L	97
19) 1,1-Dichloroethane	6.110	63	206836	29.478	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	135862	26.826	ug/L	95
22) 2-Butanone	7.081	43	46634	67.562	ug/L	93
23) Bromochloromethane	7.422	128	69369	29.534	ug/L #	90
25) Chloroform	7.593	83	221070	28.112	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	125616	30.947	ug/L	99
29) Cyclohexane	7.875	56	142016	27.170	ug/L	92
30) 1,1,1-Trichloroethane	7.787	97	172593	26.717	ug/L	99
31) Carbon tetrachloride	7.993	117	137509	26.532	ug/L	99
33) Benzene	8.252	78	509519	27.588	ug/L	100
34) Trichloroethene	9.028	95	126243	26.432	ug/L	93
35) Methylcyclohexane	9.275	83	191193	25.964	ug/L	98
37) 1,2-Dichloropropane	9.304	63	127600	30.077	ug/L	99
38) Bromodichloromethane	9.581	83	161748	28.276	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	183096	27.137	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	104909	67.823	ug/L	97
42) Toluene	10.334	91	566854	28.362	ug/L	96
44) trans-1,3-Dichloropropene	10.557	75	152822	28.195	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	103514	28.680	ug/L	96
46) Tetrachloroethene	10.810	164	104118	26.578	ug/L	93
48) 2-Hexanone	10.922	43	74677	68.482	ug/L	93
49) Dibromochloromethane	11.075	129	109504	27.869	ug/L	100
50) 1,2-Dibromoethane	11.181	107	93855	28.843	ug/L	94
51) Chlorobenzene	11.610	112	358877	27.447	ug/L	99
52) Ethylbenzene	11.687	91	566501	27.641	ug/L	97
53) m,p-Xylene	11.793	106	232427	28.481	ug/L	99
54) o-Xylene	12.122	106	221212	28.539	ug/L	97
55) Styrene	12.134	104	396430	29.385	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	112660	30.678	ug/L #	98
59) Bromoform	12.298	173	66397	27.329	ug/L	98
60) Isopropylbenzene	12.422	105	548172	26.079	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	71872	28.861	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	412433	26.313	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	408106	27.010	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	269263	26.773	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	274928	26.046	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	244450	27.217	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.451	75	15218	30.569	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.598	180	158292	23.482	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	131873	23.606	ug/L	98
71) Naphthalene	15.334	128	262544	25.681	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	125369	25.141	ug/L	99

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

