

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111323\
 Data File : VD077538.D
 Acq On : 13 Nov 2023 09:20
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025205

Quant Time: Nov 16 00:40:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 10 02:07:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	381762	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	347263	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	164388	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.287	65	196543	20.238	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.960%
7) Chloroethane-d5	2.811	69	162957	21.360	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.440%
11) 1,1-Dichloroethene-d2	3.928	65	63468	21.135	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.560%
21) 2-Butanone-d5	6.993	46	83450	49.632	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.260%
24) Chloroform-d	7.575	84	251439	22.800	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	8.234	65	134725	22.967	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.880%
32) Benzene-d6	8.204	84	508056	22.542	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.160%
36) 1,2-Dichloropropane-d6	9.210	67	170003	23.157	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.640%
41) Toluene-d8	10.269	98	453455	22.265	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.040%
43) trans-1,3-Dichloroprop...	10.528	79	71863	22.703	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.800%
47) 2-Hexanone-d5	10.875	63	64308	48.966	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.940%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	114479	23.535	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.160%
66) 1,2-Dichlorobenzene-d4	13.816	152	133642	22.852	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	132570	21.562	ug/L	99
3) Chloromethane	2.152	50	201411	22.770	ug/L	100
5) Vinyl chloride	2.293	62	218985	21.934	ug/L	97
6) Bromomethane	2.705	94	116574	21.932	ug/L	92
8) Chloroethane	2.846	64	137614	22.172	ug/L	94
9) Trichlorofluoromethane	3.187	101	205847	22.656	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	119845	21.434	ug/L	99
12) 1,1-Dichloroethene	3.952	96	115214	21.222	ug/L	92
13) Acetone	4.022	43	90973	51.473	ug/L	95
14) Carbon disulfide	4.281	76	417395	21.352	ug/L	98
15) Methyl Acetate	4.575	43	64061	22.032	ug/L	# 83
16) Methylene chloride	4.811	84	127277	19.746	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	121420	21.262	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	293144	21.871	ug/L	99
19) 1,1-Dichloroethane	6.116	63	257435	22.468	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	131900	21.259	ug/L	96
22) 2-Butanone	7.081	43	95263	44.797	ug/L	95
23) Bromochloromethane	7.428	128	52826	21.190	ug/L	89
25) Chloroform	7.599	83	234622	22.290	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.334	62	154836	22.190	ug/L	95
29) Cyclohexane	7.881	56	252519	22.396	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	200685	22.075	ug/L	99
31) Carbon tetrachloride	7.993	117	174146	22.290	ug/L	99
33) Benzene	8.257	78	529163	21.974	ug/L	100
34) Trichloroethene	9.028	95	131114	21.973	ug/L	96
35) Methylcyclohexane	9.275	83	238592	22.157	ug/L	98
37) 1,2-Dichloropropane	9.310	63	147915	22.095	ug/L	98
38) Bromodichloromethane	9.587	83	166686	21.707	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	225035	21.875	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	185180	45.391	ug/L	99
42) Toluene	10.334	91	552513	21.853	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	186551	21.946	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	88670	21.668	ug/L	98
46) Tetrachloroethene	10.810	164	94257	21.468	ug/L	93
48) 2-Hexanone	10.922	43	150371	46.501	ug/L	100
49) Dibromochloromethane	11.075	129	97008	20.869	ug/L	100
50) 1,2-Dibromoethane	11.181	107	82579	21.102	ug/L	99
51) Chlorobenzene	11.610	112	321470	21.703	ug/L	100
52) Ethylbenzene	11.687	91	612528	22.018	ug/L	97
53) m,p-Xylene	11.793	106	220640	21.795	ug/L	94
54) o-Xylene	12.122	106	211745	21.839	ug/L	97
55) Styrene	12.140	104	371411	21.939	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.675	83	104945	21.769	ug/L	98
59) Bromoform	12.298	173	57537	20.529	ug/L	99
60) Isopropylbenzene	12.422	105	591263	22.236	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	74966	21.409	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	445805	22.091	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	450009	22.014	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	231570	21.228	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	236742	21.504	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	205486	21.306	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	16737	21.974	ug/L	91
69) 1,3,5-Trichlorobenzene	14.592	180	158453	21.333	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	136191	21.756	ug/L	99
71) Naphthalene	15.334	128	249303	21.131	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	115279	21.597	ug/L	97

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

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