

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092223\
 Data File : VD077208.D
 Acq On : 22 Sep 2023 19:14
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025194

Quant Time: Sep 22 23:45:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 23:41:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	275279	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	287923	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	156926	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	126654	18.672	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.680%
7) Chloroethane-d5	2.799	69	116443	20.876	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.520%
11) 1,1-Dichloroethene-d2	3.916	65	30846	20.019	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.080%
21) 2-Butanone-d5	6.981	46	46333	54.221	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.440%
24) Chloroform-d	7.569	84	188118	24.974	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.880%
26) 1,2-Dichloroethane-d4	8.228	65	92949	26.035	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.160%
32) Benzene-d6	8.199	84	362771	22.812	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.240%
36) 1,2-Dichloropropane-d6	9.210	67	109388	23.986	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.960%
41) Toluene-d8	10.269	98	327609	22.505	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.040%
43) trans-1,3-Dichloroprop...	10.522	79	43616	20.990	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.960%
47) 2-Hexanone-d5	10.881	63	33180	45.554	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.100%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108273	26.632	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.520%
66) 1,2-Dichlorobenzene-d4	13.816	152	113091	22.453	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	65314	18.502	ug/L	99
3) Chloromethane	2.146	50	99643	16.633	ug/L	99
5) Vinyl chloride	2.281	62	123442	17.567	ug/L	100
6) Bromomethane	2.687	94	77953	15.880	ug/L	96
8) Chloroethane	2.834	64	88505	19.192	ug/L	99
9) Trichlorofluoromethane	3.169	101	124341	18.713	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	84064	20.683	ug/L	98
12) 1,1-Dichloroethene	3.934	96	71997	19.477	ug/L	94
13) Acetone	4.022	43	47880	39.059	ug/L	94
14) Carbon disulfide	4.263	76	201976	16.879	ug/L	100
15) Methyl Acetate	4.558	43	45845	27.961	ug/L #	79
16) Methylene chloride	4.799	84	107695	19.222	ug/L	92
17) trans-1,2-Dichloroethene	5.305	96	83081	20.642	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	199640	22.968	ug/L #	87
19) 1,1-Dichloroethane	6.110	63	160822	23.698	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	102075	22.152	ug/L	99
22) 2-Butanone	7.081	43	61459	41.559	ug/L	98
23) Bromochloromethane	7.422	128	49369	22.450	ug/L #	87
25) Chloroform	7.599	83	181710	23.980	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	107140	23.608	ug/L	96
29) Cyclohexane	7.881	56	97501	18.008	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	142068	21.108	ug/L	98
31) Carbon tetrachloride	7.987	117	109816	19.288	ug/L	97
33) Benzene	8.251	78	374105	21.630	ug/L	100
34) Trichloroethene	9.028	95	91826	20.022	ug/L	97
35) Methylcyclohexane	9.275	83	124038	17.538	ug/L	97
37) 1,2-Dichloropropane	9.304	63	99895	22.899	ug/L	99
38) Bromodichloromethane	9.581	83	135006	22.432	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	147627	21.285	ug/L	99
40) 4-Methyl-2-pentanone	10.163	43	115288	48.084	ug/L	97
42) Toluene	10.334	91	409087	21.836	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	131236	22.132	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	89724	24.305	ug/L	90
46) Tetrachloroethene	10.810	164	72913	19.448	ug/L	98
48) 2-Hexanone	10.922	43	82551	44.647	ug/L	97
49) Dibromochloromethane	11.075	129	98729	22.898	ug/L	94
50) 1,2-Dibromoethane	11.181	107	82709	22.679	ug/L	90
51) Chlorobenzene	11.604	112	269670	21.528	ug/L	92
52) Ethylbenzene	11.681	91	430754	21.246	ug/L	97
53) m,p-Xylene	11.798	106	167771	21.431	ug/L	96
54) o-Xylene	12.122	106	163242	21.602	ug/L	95
55) Styrene	12.134	104	303465	22.471	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	106445	24.516	ug/L	98
59) Bromoform	12.298	173	62763	22.176	ug/L	99
60) Isopropylbenzene	12.422	105	427558	21.139	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	70458	23.523	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	329845	21.085	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	331089	21.603	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	203281	21.096	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	211545	21.015	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	192292	21.697	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	14933	23.838	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	124020	19.531	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	109246	20.101	ug/L	99
71) Naphthalene	15.333	128	239698	22.062	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	106246	21.284	ug/L	99

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

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