

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121823\
 Data File : VD077961.D
 Acq On : 18 Dec 2023 21:29
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025233

Quant Time: Dec 18 23:20:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 18 23:16:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	233921	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	217975	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	113589	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	182968	28.682	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.720%
7) Chloroethane-d5	2.805	69	156510	30.781	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.120%
11) 1,1-Dichloroethene-d2	3.922	65	38552	23.308	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.240%
21) 2-Butanone-d5	6.987	46	33465	41.508	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.020%
24) Chloroform-d	7.569	84	170940	27.114	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.440%
26) 1,2-Dichloroethane-d4	8.234	65	81920	25.646	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	8.204	84	349768	26.643	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.560%
36) 1,2-Dichloropropane-d6	9.210	67	101917	25.444	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.760%
41) Toluene-d8	10.269	98	328731	27.205	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.800%
43) trans-1,3-Dichloroprop...	10.528	79	43145	24.358	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.440%
47) 2-Hexanone-d5	10.875	63	32525	47.122	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.240%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	79632	27.512	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.040%
66) 1,2-Dichlorobenzene-d4	13.816	152	106065	26.101	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	75400	20.191	ug/L	99
3) Chloromethane	2.152	50	103066	19.211	ug/L	98
5) Vinyl chloride	2.287	62	153925	23.034	ug/L	98
6) Bromomethane	2.699	94	95958	27.106	ug/L	98
8) Chloroethane	2.840	64	107708	25.822	ug/L	97
9) Trichlorofluoromethane	3.181	101	125685	22.052	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	79660	23.692	ug/L	98
12) 1,1-Dichloroethene	3.940	96	71835	22.576	ug/L #	77
13) Acetone	4.022	43	35382	34.252	ug/L	97
14) Carbon disulfide	4.275	76	222230	19.707	ug/L	98
15) Methyl Acetate	4.569	43	27899	18.867	ug/L #	85
16) Methylene chloride	4.799	84	90450	21.777	ug/L	91
17) trans-1,2-Dichloroethene	5.322	96	77999	23.510	ug/L	91
18) Methyl tert-butyl Ether	5.316	73	167523	22.906	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	142925	22.858	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	89850	24.372	ug/L	94
22) 2-Butanone	7.081	43	43378	37.310	ug/L #	62
23) Bromochloromethane	7.428	128	39502	25.737	ug/L	84
25) Chloroform	7.599	83	151062	24.540	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	91899	23.867	ug/L	95
29) Cyclohexane	7.875	56	109614	19.057	ug/L	89
30) 1,1,1-Trichloroethane	7.799	97	124608	23.362	ug/L	98
31) Carbon tetrachloride	7.993	117	111155	23.698	ug/L	98
33) Benzene	8.252	78	338065	23.828	ug/L	100
34) Trichloroethene	9.028	95	86721	24.624	ug/L	99
35) Methylcyclohexane	9.275	83	132829	21.245	ug/L	94
37) 1,2-Dichloropropane	9.304	63	86802	23.466	ug/L	99
38) Bromodichloromethane	9.587	83	112135	24.929	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	140316	24.290	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	81445	39.900	ug/L #	91
42) Toluene	10.334	91	372168	24.697	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	114397	23.710	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	67952	27.352	ug/L	95
46) Tetrachloroethene	10.810	164	67681	23.833	ug/L	92
48) 2-Hexanone	10.922	43	64401	37.118	ug/L #	93
49) Dibromochloromethane	11.075	129	78402	26.541	ug/L	96
50) 1,2-Dibromoethane	11.181	107	62231	25.974	ug/L	96
51) Chlorobenzene	11.610	112	239920	25.676	ug/L	97
52) Ethylbenzene	11.687	91	409069	24.488	ug/L	98
53) m,p-Xylene	11.798	106	158400	25.095	ug/L	90
54) o-Xylene	12.122	106	154365	25.553	ug/L	91
55) Styrene	12.134	104	281548	26.635	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.675	83	78892	26.801	ug/L	95
59) Bromoform	12.298	173	49179	26.167	ug/L #	97
60) Isopropylbenzene	12.422	105	410462	24.211	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	50673	24.253	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	303085	23.802	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	310505	24.049	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	186126	25.385	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	187990	24.708	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	168832	25.589	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	10881	22.086	ug/L	98
69) 1,3,5-Trichlorobenzene	14.592	180	118842	23.803	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	96841	22.848	ug/L	98
71) Naphthalene	15.334	128	176546	22.784	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	86773	23.353	ug/L	97

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

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