

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111623\
 Data File : VD077598.D
 Acq On : 16 Nov 2023 18:25
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025212

Quant Time: Nov 17 00:32:06 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	8.775	114	291655	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	269960	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	138596	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	155763	20.994	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.960%
7) Chloroethane-d5	2.805	69	137412	23.576	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.320%
11) 1,1-Dichloroethene-d2	3.916	65	44920	19.580	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.320%
21) 2-Butanone-d5	6.987	46	72966	56.804	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.600%
24) Chloroform-d	7.569	84	215918	25.628	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.520%
26) 1,2-Dichloroethane-d4	8.228	65	114715	25.597	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	8.199	84	418204	23.868	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.480%
36) 1,2-Dichloropropane-d6	9.210	67	139546	24.451	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.800%
41) Toluene-d8	10.269	98	368429	23.270	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.080%
43) trans-1,3-Dichloroprop...	10.522	79	59744	24.279	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.120%
47) 2-Hexanone-d5	10.875	63	56651	55.488	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.980%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	109724	29.017	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.080%
66) 1,2-Dichlorobenzene-d4	13.816	152	125375	25.428	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.720%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	99888	21.266	ug/L	100
3) Chloromethane	2.152	50	145814	21.578	ug/L	99
5) Vinyl chloride	2.287	62	168441	22.084	ug/L	95
6) Bromomethane	2.699	94	95425	23.500	ug/L	98
8) Chloroethane	2.840	64	112737	23.775	ug/L	94
9) Trichlorofluoromethane	3.181	101	155008	22.331	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	94409	22.102	ug/L	99
12) 1,1-Dichloroethene	3.940	96	86902	20.953	ug/L	94
13) Acetone	4.022	43	61270	45.378	ug/L	97
14) Carbon disulfide	4.269	76	286341	19.173	ug/L	99
15) Methyl Acetate	4.569	43	51065	22.989	ug/L	99
16) Methylene chloride	4.805	84	113087	22.965	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	94627	21.689	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	235593	23.007	ug/L	99
19) 1,1-Dichloroethane	6.116	63	197092	22.516	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	107565	22.693	ug/L	98
22) 2-Butanone	7.081	43	70237	43.233	ug/L	99
23) Bromochloromethane	7.428	128	44451	23.339	ug/L	96
25) Chloroform	7.599	83	188060	23.386	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	126443	23.720	ug/L	98
29) Cyclohexane	7.881	56	172113	19.636	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	155035	21.937	ug/L	99
31) Carbon tetrachloride	7.993	117	136249	22.433	ug/L	100
33) Benzene	8.251	78	421786	22.531	ug/L	100
34) Trichloroethene	9.028	95	102453	22.086	ug/L	90
35) Methylcyclohexane	9.269	83	170126	20.323	ug/L	98
37) 1,2-Dichloropropane	9.304	63	116671	22.418	ug/L	100
38) Bromodichloromethane	9.587	83	137777	23.080	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	179591	22.456	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	141514	44.621	ug/L	98
42) Toluene	10.334	91	440803	22.427	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	149715	22.656	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	77235	24.278	ug/L	96
46) Tetrachloroethene	10.810	164	76465	22.403	ug/L	95
48) 2-Hexanone	10.922	43	102642	40.830	ug/L	95
49) Dibromochloromethane	11.075	129	86062	23.816	ug/L	96
50) 1,2-Dibromoethane	11.175	107	70776	23.265	ug/L	95
51) Chlorobenzene	11.604	112	266627	23.155	ug/L	98
52) Ethylbenzene	11.681	91	489553	22.636	ug/L	98
53) m,p-Xylene	11.792	106	180716	22.963	ug/L	97
54) o-Xylene	12.122	106	177034	23.487	ug/L	98
55) Styrene	12.134	104	311614	23.678	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	89598	23.908	ug/L	95
59) Bromoform	12.298	173	52472	22.206	ug/L	98
60) Isopropylbenzene	12.422	105	479468	21.387	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	62445	21.152	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	363339	21.355	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	369183	21.421	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	203901	22.170	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	204405	22.022	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	181558	22.329	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	13056	20.332	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.592	180	136712	21.831	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	116710	22.113	ug/L	99
71) Naphthalene	15.328	128	220020	22.120	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	100561	22.346	ug/L	97

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

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