

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091624\
 Data File : VD079840.D
 Acq On : 16 Sep 2024 11:21
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025907

Quant Time: Sep 17 04:20:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 13 23:49:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	154807	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	153993	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	75551	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	140180	20.824	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.280%
7) Chloroethane-d5	2.805	69	118147	22.168	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.680%
11) 1,1-Dichloroethene-d2	3.922	65	26418	21.615	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.480%
21) 2-Butanone-d5	6.981	46	28061	44.866	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.740%
24) Chloroform-d	7.563	84	126805	24.919	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.680%
26) 1,2-Dichloroethane-d4	8.228	65	67501	25.367	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.480%
32) Benzene-d6	8.199	84	269612	24.799	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	9.210	67	84334	25.328	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.320%
41) Toluene-d8	10.269	98	255967	26.756	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.040%
43) trans-1,3-Dichloroprop...	10.522	79	35398	24.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.920%
47) 2-Hexanone-d5	10.875	63	27487	50.641	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.280%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	63199	25.829	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.320%
66) 1,2-Dichlorobenzene-d4	13.810	152	71333	25.036	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.160%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	59940	20.306	ug/L	96
3) Chloromethane	2.146	50	104978	20.287	ug/L	97
5) Vinyl chloride	2.287	62	132194	20.848	ug/L	99
6) Bromomethane	2.693	94	79226	24.814	ug/L	100
8) Chloroethane	2.840	64	90900	21.698	ug/L	99
9) Trichlorofluoromethane	3.175	101	100280	21.995	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	56697	22.467	ug/L	98
12) 1,1-Dichloroethene	3.940	96	51574	21.942	ug/L	93
13) Acetone	4.016	43	31839	41.755	ug/L	78
14) Carbon disulfide	4.269	76	160859	21.039	ug/L	98
15) Methyl Acetate	4.564	43	28173	23.195	ug/L	95
16) Methylene chloride	4.805	84	66065	21.598	ug/L	89
17) trans-1,2-Dichloroethene	5.316	96	58359	23.286	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	130935	23.224	ug/L #	81
19) 1,1-Dichloroethane	6.111	63	117439	23.591	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	66130	23.965	ug/L	97
22) 2-Butanone	7.081	43	38319	42.840	ug/L	97
23) Bromochloromethane	7.434	128	28533	24.362	ug/L	94
25) Chloroform	7.599	83	128925	24.879	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	77081	24.337	ug/L	97
29) Cyclohexane	7.875	56	85262	22.384	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	99174	23.626	ug/L	100
31) Carbon tetrachloride	7.993	117	90467	24.325	ug/L	99
33) Benzene	8.252	78	273591	23.860	ug/L	100
34) Trichloroethene	9.028	95	63549	23.985	ug/L	95
35) Methylcyclohexane	9.275	83	95586	22.355	ug/L	98
37) 1,2-Dichloropropane	9.299	63	76888	24.587	ug/L #	100
38) Bromodichloromethane	9.587	83	90488	24.834	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	110453	25.153	ug/L	94
40) 4-Methyl-2-pentanone	10.157	43	77736	47.488	ug/L	100
42) Toluene	10.334	91	305205	25.269	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	97515	25.198	ug/L	96
45) 1,1,2-Trichloroethane	10.728	97	53989	25.270	ug/L	92
46) Tetrachloroethene	10.810	164	44675	24.836	ug/L	95
48) 2-Hexanone	10.922	43	62263	46.761	ug/L	97
49) Dibromochloromethane	11.069	129	58509	25.090	ug/L	97
50) 1,2-Dibromoethane	11.175	107	45901	24.874	ug/L	93
51) Chlorobenzene	11.604	112	182707	25.206	ug/L	97
52) Ethylbenzene	11.681	91	324070	25.541	ug/L	100
53) m,p-Xylene	11.793	106	123339	25.664	ug/L	96
54) o-Xylene	12.122	106	119957	25.457	ug/L	93
55) Styrene	12.134	104	222370	26.851	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.669	83	63088	25.192	ug/L #	93
59) Bromoform	12.293	173	32784	25.137	ug/L	99
60) Isopropylbenzene	12.422	105	318227	24.397	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	43112	23.215	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	243175	25.491	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	243817	24.372	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	133283	24.726	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	137993	24.406	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	118274	24.276	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	8973	23.615	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.592	180	76210	23.317	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	60732	22.069	ug/L	96
71) Naphthalene	15.328	128	140142	22.801	ug/L	98
72) 1,2,3-Trichlorobenzene	15.516	180	57502	23.360	ug/L	99

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

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