

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100523\
 Data File : VD077270.D
 Acq On : 05 Oct 2023 09:46
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025200

Quant Time: Oct 06 08:08:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 22:27:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	275940	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	276025	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	157242	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	128862	17.656	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.640%
7) Chloroethane-d5	2.799	69	97949	21.297	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	3.922	65	37454	18.240	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.960%
21) 2-Butanone-d5	6.981	46	77425	58.552	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.100%
24) Chloroform-d	7.569	84	255855	24.589	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.360%
26) 1,2-Dichloroethane-d4	8.228	65	125122	24.174	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.680%
32) Benzene-d6	8.199	84	467368	23.310	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.240%
36) 1,2-Dichloropropane-d6	9.210	67	156419	25.100	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.400%
41) Toluene-d8	10.269	98	394545	22.400	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	10.528	79	59805	23.601	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.400%
47) 2-Hexanone-d5	10.875	63	62995	63.192	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.380%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	163502	29.037	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.160%
66) 1,2-Dichlorobenzene-d4	13.816	152	152995	23.603	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	90200	20.101	ug/L	99
3) Chloromethane	2.146	50	111169	19.094	ug/L	99
5) Vinyl chloride	2.281	62	154565	22.291	ug/L	98
6) Bromomethane	2.693	94	104350	24.598	ug/L	95
8) Chloroethane	2.840	64	82197	24.172	ug/L	96
9) Trichlorofluoromethane	3.175	101	185992	25.943	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	129650	25.301	ug/L	97
12) 1,1-Dichloroethene	3.940	96	100910	23.599	ug/L	97
13) Acetone	4.022	43	74363	54.198	ug/L	100
14) Carbon disulfide	4.269	76	248091	22.249	ug/L	99
15) Methyl Acetate	4.558	43	57545	24.558	ug/L	99
16) Methylene chloride	4.799	84	155318	22.602	ug/L	98
17) trans-1,2-Dichloroethene	5.305	96	113538	23.590	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	279486	24.636	ug/L	99
19) 1,1-Dichloroethane	6.110	63	231755	25.549	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	143530	24.426	ug/L	97
22) 2-Butanone	7.081	43	91709	51.671	ug/L	98
23) Bromochloromethane	7.422	128	65008	23.364	ug/L	96
25) Chloroform	7.593	83	250218	24.928	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	148108	24.939	ug/L	98
29) Cyclohexane	7.875	56	150443	26.792	ug/L	95
30) 1,1,1-Trichloroethane	7.793	97	201307	25.176	ug/L	99
31) Carbon tetrachloride	7.987	117	165636	25.630	ug/L	97
33) Benzene	8.251	78	528291	25.923	ug/L	100
34) Trichloroethene	9.028	95	129686	25.218	ug/L	97
35) Methylcyclohexane	9.275	83	192224	26.840	ug/L	98
37) 1,2-Dichloropropane	9.304	63	150247	26.873	ug/L	100
38) Bromodichloromethane	9.581	83	187906	25.289	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	220546	25.966	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	174502	54.470	ug/L	99
42) Toluene	10.334	91	572638	26.045	ug/L	94
44) trans-1,3-Dichloropropene	10.551	75	191245	26.047	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	123862	26.015	ug/L	97
46) Tetrachloroethene	10.810	164	100412	24.893	ug/L	96
48) 2-Hexanone	10.922	43	136074	55.386	ug/L	98
49) Dibromochloromethane	11.075	129	134312	25.345	ug/L	98
50) 1,2-Dibromoethane	11.181	107	110745	24.854	ug/L	94
51) Chlorobenzene	11.604	112	366344	24.532	ug/L	96
52) Ethylbenzene	11.687	91	623840	26.173	ug/L	95
53) m,p-Xylene	11.792	106	241118	26.524	ug/L	92
54) o-Xylene	12.122	106	229877	25.934	ug/L	97
55) Styrene	12.134	104	432670	26.847	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	146892	25.807	ug/L	97
59) Bromoform	12.298	173	84603	23.898	ug/L	99
60) Isopropylbenzene	12.422	105	621198	25.284	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	97540	24.494	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	469547	24.996	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	471106	25.258	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	284540	23.796	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	293837	23.516	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	263092	23.884	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	19275	22.622	ug/L	98
69) 1,3,5-Trichlorobenzene	14.592	180	180603	22.975	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	155164	23.029	ug/L	99
71) Naphthalene	15.333	128	321776	23.072	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	143058	22.727	ug/L	99

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

