

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050823\
 Data File : VD076049.D
 Acq On : 08 May 2023 20:04
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025153

Quant Time: May 09 02:38:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 06 00:21:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	332374	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	309627	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	165452	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	155161	21.280	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.120%
7) Chloroethane-d5	2.793	69	143117	22.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.880%
11) 1,1-Dichloroethene-d2	3.910	65	36512	21.720	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.880%
21) 2-Butanone-d5	6.987	46	47447	74.957	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.920%#
24) Chloroform-d	7.569	84	213255	25.658	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.640%
26) 1,2-Dichloroethane-d4	8.228	65	97892	27.580	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.320%
32) Benzene-d6	8.198	84	428121	23.723	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.880%
36) 1,2-Dichloropropane-d6	9.210	67	128956	25.817	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.280%
41) Toluene-d8	10.269	98	392844	23.252	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	10.522	79	50583	24.499	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.000%
47) 2-Hexanone-d5	10.881	63	43095	71.653	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.300%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	123258	32.247	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	129.000%#
66) 1,2-Dichlorobenzene-d4	13.816	152	134774	23.030	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	131141	28.621	ug/L	99
3) Chloromethane	2.146	50	210384	32.937	ug/L	99
5) Vinyl chloride	2.275	62	238897	28.617	ug/L	99
6) Bromomethane	2.687	94	114813	20.468	ug/L	99
8) Chloroethane	2.828	64	149796	27.745	ug/L	94
9) Trichlorofluoromethane	3.163	101	186004	27.730	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.957	101	132379	29.377	ug/L	97
12) 1,1-Dichloroethene	3.928	96	118186	27.044	ug/L	96
13) Acetone	4.022	43	37151	68.583	ug/L	97
14) Carbon disulfide	4.263	76	398359	26.097	ug/L	99
15) Methyl Acetate	4.557	43	43773	37.287	ug/L #	59
16) Methylene chloride	4.799	84	161295	23.922	ug/L	96
17) trans-1,2-Dichloroethene	5.304	96	135016	27.553	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	239068	30.414	ug/L	98
19) 1,1-Dichloroethane	6.110	63	217689	30.324	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	142888	27.576	ug/L	97
22) 2-Butanone	7.081	43	54497	77.170	ug/L	93
23) Bromochloromethane	7.422	128	73057	30.402	ug/L #	91
25) Chloroform	7.593	83	233526	29.026	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	134032	32.274	ug/L	97
29) Cyclohexane	7.875	56	160504	30.281	ug/L	89
30) 1,1,1-Trichloroethane	7.793	97	183533	28.016	ug/L	98
31) Carbon tetrachloride	7.987	117	148319	28.220	ug/L	97
33) Benzene	8.245	78	542559	28.969	ug/L	100
34) Trichloroethene	9.028	95	132040	27.262	ug/L	94
35) Methylcyclohexane	9.269	83	211932	28.381	ug/L	98
37) 1,2-Dichloropropane	9.304	63	136382	31.701	ug/L	100
38) Bromodichloromethane	9.581	83	171835	29.622	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	198112	28.955	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	121811	77.658	ug/L	96
42) Toluene	10.334	91	597116	29.461	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	168455	30.648	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	111015	30.331	ug/L	92
46) Tetrachloroethene	10.810	164	112323	28.274	ug/L	94
48) 2-Hexanone	10.922	43	90209	81.578	ug/L	92
49) Dibromochloromethane	11.075	129	120088	30.139	ug/L	99
50) 1,2-Dibromoethane	11.181	107	101128	30.647	ug/L	97
51) Chlorobenzene	11.610	112	378820	28.570	ug/L	97
52) Ethylbenzene	11.681	91	594503	28.605	ug/L	99
53) m,p-Xylene	11.792	106	242457	29.297	ug/L	99
54) o-Xylene	12.122	106	227226	28.908	ug/L	100
55) Styrene	12.133	104	414657	30.309	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	126654	34.010	ug/L	98
59) Bromoform	12.298	173	73127	28.839	ug/L	99
60) Isopropylbenzene	12.422	105	578011	26.347	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	81848	31.491	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	440217	26.909	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	424512	26.920	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	282246	26.888	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	294281	26.712	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	261649	27.912	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	16451	31.662	ug/L	97
69) 1,3,5-Trichlorobenzene	14.592	180	174753	24.838	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	139177	23.870	ug/L	98
71) Naphthalene	15.333	128	291467	27.317	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	138161	26.546	ug/L	97

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

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