

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050423\
 Data File : VD075995.D
 Acq On : 04 May 2023 10:03
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025199

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/05/2023
 Supervised By :Semsettin Yesilyurt 05/05/2023

Quant Time: May 05 00:29:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 04 02:54:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	362132	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	333363	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	171732	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	180499	22.721	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	90.880%		
7) Chloroethane-d5	2.805	69	161963	23.596	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	94.400%		
11) 1,1-Dichloroethene-d2	3.916	65	40710	22.227	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	88.920%		
21) 2-Butanone-d5	6.993	46	39585	57.398	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	114.800%		
24) Chloroform-d	7.563	84	225576	24.910	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.640%		
26) 1,2-Dichloroethane-d4	8.228	65	97412	25.189	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.760%		
32) Benzene-d6	8.199	84	467108	24.041	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	96.160%		
36) 1,2-Dichloropropane-d6	9.210	67	133340	24.794	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	99.160%		
41) Toluene-d8	10.269	98	437270	24.039	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	96.160%		
43) trans-1,3-Dichloroprop...	10.528	79	52755	23.732	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	94.920%		
47) 2-Hexanone-d5	10.875	63	36206	55.913	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	111.820%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	111204	27.022	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	108.080%		
66) 1,2-Dichlorobenzene-d4	13.816	152	138131	22.740	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	145443	29.134	ug/L	99
3) Chloromethane	2.146	50	207043	29.750	ug/L	99
5) Vinyl chloride	2.281	62	265436	29.183	ug/L	100
6) Bromomethane	2.693	94	157363	25.748	ug/L	99
8) Chloroethane	2.834	64	168008	28.561	ug/L	98
9) Trichlorofluoromethane	3.175	101	210917	28.861	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	148760	30.299	ug/L	97
12) 1,1-Dichloroethene	3.940	96	132009	27.724	ug/L	85
13) Acetone	4.022	43	35541	60.220	ug/L	99
14) Carbon disulfide	4.269	76	452119	27.185	ug/L	99
15) Methyl Acetate	4.558	43	39163	30.618	ug/L	98
16) Methylene chloride	4.799	84	152807	20.800	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	142216	26.637	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	227677	26.585	ug/L	98
19) 1,1-Dichloroethane	6.110	63	228306	29.190	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	149035	26.399	ug/L	92
22) 2-Butanone	7.075	43	49854m	64.794	ug/L	
23) Bromochloromethane	7.428	128	71902	27.463	ug/L #	91
25) Chloroform	7.599	83	246693	28.143	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	133181	29.434	ug/L	98
29) Cyclohexane	7.875	56	176994	31.014	ug/L	92
30) 1,1,1-Trichloroethane	7.793	97	199462	28.280	ug/L	98
31) Carbon tetrachloride	7.987	117	165419	29.233	ug/L	99
33) Benzene	8.252	78	575820	28.556	ug/L	100
34) Trichloroethene	9.028	95	142108	27.251	ug/L	95
35) Methylcyclohexane	9.275	83	232729	28.947	ug/L	97
37) 1,2-Dichloropropane	9.304	63	140824	30.402	ug/L	100
38) Bromodichloromethane	9.587	83	177356	28.397	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	203171	27.580	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	107151	63.448	ug/L	96
42) Toluene	10.334	91	650761	29.822	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	170241	28.768	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	108900	27.635	ug/L	95
46) Tetrachloroethene	10.810	164	124236	29.046	ug/L	96
48) 2-Hexanone	10.922	43	78611	66.028	ug/L	93
49) Dibromochloromethane	11.075	129	118145	27.540	ug/L	99
50) 1,2-Dibromoethane	11.181	107	96846	27.260	ug/L	95
51) Chlorobenzene	11.610	112	394568	27.639	ug/L	98
52) Ethylbenzene	11.687	91	650898	29.088	ug/L	99
53) m,p-Xylene	11.793	106	263775	29.604	ug/L	96
54) o-Xylene	12.122	106	246292	29.103	ug/L	98
55) Styrene	12.140	104	438971	29.802	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	115535	28.815	ug/L #	96
59) Bromoform	12.298	173	70466	26.773	ug/L	99
60) Isopropylbenzene	12.422	105	634868	27.880	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	73736	27.333	ug/L	99
62) 1,3,5-Trimethylbenzene	12.910	105	475694	28.015	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	462159	28.235	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	298595	27.406	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	306994	26.847	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	264000	27.133	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	16408	30.424	ug/L	85
69) 1,3,5-Trichlorobenzene	14.598	180	202487	27.727	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	158301	26.157	ug/L	98
71) Naphthalene	15.334	128	292521	26.413	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	146410	27.102	ug/L	99

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

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