

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120523\
 Data File : VD077746.D
 Acq On : 05 Dec 2023 09:10
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025225

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/06/2023
 Supervised By :Semsettin Yesilyurt 12/06/2023

Quant Time: Dec 06 00:20:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 05 00:04:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	296221	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	270930	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	137736	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	148975	18.442	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	73.760%		
7) Chloroethane-d5	2.811	69	133863	20.790	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.160%		
11) 1,1-Dichloroethene-d2	3.922	65	43313	20.679	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	82.720%		
21) 2-Butanone-d5	6.987	46	42147	41.282	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	82.560%		
24) Chloroform-d	7.575	84	193692	24.261	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	97.040%		
26) 1,2-Dichloroethane-d4	8.234	65	91318	22.575	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.320%		
32) Benzene-d6	8.205	84	395458	24.236	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	96.960%		
36) 1,2-Dichloropropane-d6	9.210	67	117288	23.558	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.240%		
41) Toluene-d8	10.275	98	368634	24.544	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	98.160%		
43) trans-1,3-Dichloroprop...	10.528	79	50444	22.913	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.640%		
47) 2-Hexanone-d5	10.875	63	39730	46.310	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.620%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	85591	23.791	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	95.160%		
66) 1,2-Dichlorobenzene-d4	13.816	152	120875	24.531	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	98.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	120606	25.504	ug/L	100
3) Chloromethane	2.152	50	152499	22.447	ug/L	99
5) Vinyl chloride	2.293	62	202134	23.887	ug/L	99
6) Bromomethane	2.705	94	110045	24.548	ug/L	94
8) Chloroethane	2.846	64	133853	25.340	ug/L	98
9) Trichlorofluoromethane	3.187	101	189183	26.212	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	114232	26.829	ug/L	96
12) 1,1-Dichloroethene	3.952	96	107067	26.571	ug/L	98
13) Acetone	4.028	43	58561	44.768	ug/L	98
14) Carbon disulfide	4.281	76	370437	25.942	ug/L	97
15) Methyl Acetate	4.564	43	37896	20.238	ug/L	94
16) Methylene chloride	4.811	84	108131	20.558	ug/L	91
17) trans-1,2-Dichloroethene	5.316	96	112351	26.743	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	219028	23.650	ug/L	99
19) 1,1-Dichloroethane	6.122	63	199835	25.238	ug/L	97
20) cis-1,2-Dichloroethene	7.087	96	120205	25.748	ug/L	98
22) 2-Butanone	7.081	43	63819m	43.347	ug/L	
23) Bromochloromethane	7.434	128	51192	26.338	ug/L	88
25) Chloroform	7.599	83	203834	26.148	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	117856	24.171	ug/L	98
29) Cyclohexane	7.887	56	183663	25.690	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	178652	26.948	ug/L	99
31) Carbon tetrachloride	7.993	117	162978	27.955	ug/L	97
33) Benzene	8.257	78	467888	26.533	ug/L	100
34) Trichloroethene	9.034	95	117931	26.941	ug/L	95
35) Methylcyclohexane	9.275	83	213308	27.449	ug/L	96
37) 1,2-Dichloropropane	9.304	63	115202	25.056	ug/L	99
38) Bromodichloromethane	9.587	83	143075	25.590	ug/L	96
39) cis-1,3-Dichloropropene	10.022	75	179306	24.973	ug/L	94
40) 4-Methyl-2-pentanone	10.163	43	110865	43.697	ug/L	96
42) Toluene	10.334	91	510464	27.253	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	149630	24.950	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	79373	25.705	ug/L	96
46) Tetrachloroethene	10.816	164	98717	27.967	ug/L	98
48) 2-Hexanone	10.922	43	94324	43.739	ug/L	97
49) Dibromochloromethane	11.081	129	94382	25.706	ug/L	96
50) 1,2-Dibromoethane	11.181	107	72318	24.285	ug/L	96
51) Chlorobenzene	11.610	112	309576	26.655	ug/L	94
52) Ethylbenzene	11.687	91	553264	26.646	ug/L	99
53) m,p-Xylene	11.793	106	212898	27.136	ug/L	98
54) o-Xylene	12.122	106	204408	27.224	ug/L	93
55) Styrene	12.140	104	353877	26.934	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	86841	23.735	ug/L	97
59) Bromoform	12.304	173	56377	24.738	ug/L #	98
60) Isopropylbenzene	12.422	105	564097	27.439	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	60598	23.918	ug/L	97
62) 1,3,5-Trimethylbenzene	12.910	105	416436	26.970	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	424914	27.141	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	237644	26.729	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	244373	26.488	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	210511	26.313	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	12751	21.344	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	160834	26.566	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	129843	25.263	ug/L	99
71) Naphthalene	15.339	128	220797	23.499	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	111860	24.827	ug/L	98

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

