

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090123\
 Data File : VD077079.D
 Acq On : 01 Sep 2023 10:51
 Operator : JC/SY
 Sample : VSTD00565
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005165

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/04/2023
 Supervised By :Mahesh Dadoda 09/05/2023

Quant Time: Sep 02 01:21:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 02 01:20:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	277763	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	274679	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	136217	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	30067	3.726	ug/L	0.00
7) Chloroethane-d5	2.805	69	25426	3.507	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	6609	3.522	ug/L	0.00
21) 2-Butanone-d5	6.987	46	7599	6.338	ug/L	0.00
24) Chloroform-d	7.575	84	33202	3.597	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	15891	3.477	ug/L	0.00
32) Benzene-d6	8.198	84	66081	3.712	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	19380	3.604	ug/L	0.00
41) Toluene-d8	10.269	98	57648	3.537	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	8618	3.512	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	5869	5.951	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	17377	3.405	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	20177	3.982	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	17408	3.804	ug/L	100
3) Chloromethane	2.146	50	31768	5.308	ug/L	98
5) Vinyl chloride	2.281	62	33819	3.980	ug/L	92
6) Bromomethane	2.693	94	24155	3.860	ug/L	93
8) Chloroethane	2.834	64	22716	4.001	ug/L	100
9) Trichlorofluoromethane	3.175	101	31289	4.392	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	19151	4.133	ug/L #	60
12) 1,1-Dichloroethene	3.940	96	16947	4.117	ug/L	93
13) Acetone	4.022	43	12910	10.326	ug/L	93
14) Carbon disulfide	4.269	76	58310	4.156	ug/L	100
15) Methyl Acetate	4.563	43	8148	3.936	ug/L #	81
16) Methylene chloride	4.799	84	28970	4.940	ug/L	92
17) trans-1,2-Dichloroethene	5.316	96	19730	4.274	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	39988	3.964	ug/L #	72
19) 1,1-Dichloroethane	6.110	63	33829	4.373	ug/L	93
20) cis-1,2-Dichloroethene	7.087	96	20489	3.955	ug/L	97
22) 2-Butanone	7.081	43	15561	9.040	ug/L	86
23) Bromochloromethane	7.422	128	11468m	4.565	ug/L	
25) Chloroform	7.593	83	37688	4.437	ug/L	94
27) 1,2-Dichloroethane	8.328	62	22865	4.328	ug/L	99
29) Cyclohexane	7.881	56	23312	3.884	ug/L	98
30) 1,1,1-Trichloroethane	7.787	97	30715	4.458	ug/L	97
31) Carbon tetrachloride	7.998	117	25029	4.412	ug/L	98
33) Benzene	8.251	78	79039	4.378	ug/L	100
34) Trichloroethene	9.034	95	22270	4.718	ug/L	94
35) Methylcyclohexane	9.275	83	29184	3.833	ug/L	98
37) 1,2-Dichloropropane	9.304	63	19258	4.214	ug/L	99
38) Bromodichloromethane	9.581	83	29713	4.715	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	31028	4.207	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	21352	7.525	ug/L	98
42) Toluene	10.334	91	82657	4.212	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	25713	3.997	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	17565	4.378	ug/L	88
46) Tetrachloroethene	10.810	164	18064	5.030	ug/L	88
48) 2-Hexanone	10.916	43	16249	7.473	ug/L	95
49) Dibromochloromethane	11.075	129	19703	4.333	ug/L	98
50) 1,2-Dibromoethane	11.181	107	16622	4.215	ug/L #	85
51) Chlorobenzene	11.604	112	57174	4.427	ug/L	96
52) Ethylbenzene	11.681	91	86281	4.117	ug/L	96
53) m,p-Xylene	11.792	106	32880	4.052	ug/L	98
54) o-Xylene	12.122	106	31378	4.019	ug/L	99
55) Styrene	12.133	104	55426	3.933	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	20989	4.244	ug/L #	89
59) Bromoform	12.298	173	12427	4.589	ug/L	91
60) Isopropylbenzene	12.422	105	82403	4.223	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	14464	4.660	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	62519	4.188	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	60675	4.100	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	42377	4.720	ug/L	99
65) 1,4-Dichlorobenzene	13.533	146	45446	4.912	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	38885	4.637	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.445	75	2951	4.106	ug/L	98
69) 1,3,5-Trichlorobenzene	14.592	180	26992	4.788	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	22900	4.631	ug/L	97
71) Naphthalene	15.327	128	42999	3.791	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	21684	4.850	ug/L	98

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

