

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
 Data File : VD080193.D
 Acq On : 09 Jan 2025 13:16
 Operator : RP/MD
 Sample : VSTD2.567
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5867

Quant Time: Jan 09 19:49:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM010925SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jan 09 19:44:54 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	245657	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	229889	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	107636	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	20034	2.781	ug/L	0.00
7) Chloroethane-d5	2.811	69	16172	2.762	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	5028	2.887	ug/L	0.00
21) 2-Butanone-d5	6.993	46	4803m	5.904	ug/L	0.00
24) Chloroform-d	7.575	84	21109	2.738	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	11327	2.805	ug/L	0.00
32) Benzene-d6	8.204	84	40538	2.731	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	14016	2.853	ug/L	0.00
41) Toluene-d8	10.275	98	33494	2.476	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	5956	2.968	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	2837	4.634	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	10226	2.778	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	11448	2.829	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	15211	3.120	ug/L	94
3) Chloromethane	2.152	50	19918	2.997	ug/L	91
5) Vinyl chloride	2.287	62	22636	2.775	ug/L	97
6) Bromomethane	2.699	94	12866	2.709	ug/L	95
8) Chloroethane	2.840	64	13848	2.768	ug/L	98
9) Trichlorofluoromethane	3.175	101	18711	2.761	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	10469	2.708	ug/L	90
12) 1,1-Dichloroethene	3.946	96	9163	2.655	ug/L	81
13) Acetone	4.040	43	4377	6.639	ug/L	92
14) Carbon disulfide	4.275	76	34426	2.676	ug/L	96
15) Methyl Acetate	4.581	43	4738m	2.922	ug/L	
16) Methylene chloride	4.811	84	11865	2.845	ug/L	89
17) trans-1,2-Dichloroethene	5.316	96	9557	2.531	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	16512m	2.308	ug/L	
19) 1,1-Dichloroethane	6.122	63	19416	2.679	ug/L	97
20) cis-1,2-Dichloroethene	7.087	96	9611	2.434	ug/L	96
22) 2-Butanone	7.087	43	5359m	5.711	ug/L	
23) Bromochloromethane	7.434	128	4920m	2.571	ug/L	
25) Chloroform	7.599	83	21882	2.724	ug/L	98
27) 1,2-Dichloroethane	8.328	62	12526	2.673	ug/L	100
29) Cyclohexane	7.887	56	13060	2.258	ug/L	97
30) 1,1,1-Trichloroethane	7.799	97	15694	2.577	ug/L	95
31) Carbon tetrachloride	7.999	117	14251	2.651	ug/L	98
33) Benzene	8.257	78	39392	2.520	ug/L	100
34) Trichloroethene	9.028	95	10387	2.566	ug/L	98
35) Methylcyclohexane	9.275	83	13616	2.262	ug/L	95
37) 1,2-Dichloropropane	9.310	63	11525	2.706	ug/L	# 94
38) Bromodichloromethane	9.587	83	14198	2.659	ug/L	# 97
39) cis-1,3-Dichloropropene	10.016	75	14267	2.370	ug/L	95
40) 4-Methyl-2-pentanone	10.163	43	11056	5.288	ug/L	# 92
42) Toluene	10.334	91	37398	2.290	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	12498	2.404	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	8298	2.669	ug/L	94
46) Tetrachloroethene	10.816	164	8588	2.633	ug/L	81
48) 2-Hexanone	10.922	43	7258m	5.210	ug/L	
49) Dibromochloromethane	11.075	129	9023	2.605	ug/L	96
50) 1,2-Dibromoethane	11.181	107	7190	2.544	ug/L #	78
51) Chlorobenzene	11.610	112	27001	2.579	ug/L	97
52) Ethylbenzene	11.687	91	39655	2.263	ug/L	99
53) m,p-Xylene	11.798	106	14520	2.217	ug/L	87
54) o-Xylene	12.122	106	12743	2.080	ug/L	83
55) Styrene	12.134	104	24049	2.167	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	9201	2.610	ug/L #	90
59) Bromoform	12.298	173	5251	2.719	ug/L #	98
60) Isopropylbenzene	12.422	105	33908	2.259	ug/L	96
61) 1,2,3-Trichloropropane	12.728	75	6959	3.057	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	27184	2.272	ug/L	97
63) 1,2,4-Trimethylbenzene	13.216	105	25255	2.164	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	19727	2.686	ug/L	96
65) 1,4-Dichlorobenzene	13.539	146	20302	2.678	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	17286	2.628	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.451	75	1596	3.210	ug/L #	75
69) 1,3,5-Trichlorobenzene	14.598	180	12414	2.486	ug/L	95
70) 1,2,4-trichlorobenzene	15.098	180	10663	2.617	ug/L	98
71) Naphthalene	15.333	128	18324	2.556	ug/L	97
72) 1,2,3-Trichlorobenzene	15.528	180	9905	2.617	ug/L	98

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

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