

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
 Data File : VD080188.D
 Acq On : 09 Jan 2025 10:35
 Operator : RP/MD
 Sample : VSTD2.562
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5862

Manual Integrations
 APPROVED

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

Quant Time: Jan 09 19:47:01 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

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	170678	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	169052	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	78878	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	13923	2.781	ug/L	0.00
7) Chloroethane-d5	2.805	69	12324	3.030	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.928	65	3397m	2.808	ug/L	0.00
21) 2-Butanone-d5	6.993	46	2443m	4.322	ug/L	0.00
24) Chloroform-d	7.569	84	13502	2.521	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	7657	2.729	ug/L	0.00
32) Benzene-d6	8.204	84	25034	2.294	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.216	67	8879	2.458	ug/L	0.00
41) Toluene-d8	10.269	98	22107	2.223	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	3354	2.273	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	1752	3.892	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	7180	2.653	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.822	152	7331	2.472	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	5505	1.625	ug/L	98
3) Chloromethane	2.158	50	6984	1.512	ug/L	92
5) Vinyl chloride	2.293	62	9392	1.657	ug/L	98
6) Bromomethane	2.705	94	6305	1.911	ug/L	95
8) Chloroethane	2.846	64	6872	1.977	ug/L	97
9) Trichlorofluoromethane	3.181	101	10767	2.287	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	7576m	2.820	ug/L	
12) 1,1-Dichloroethene	3.946	96	4783	1.995	ug/L #	81
13) Acetone	4.028	43	2674m	5.838	ug/L	
14) Carbon disulfide	4.281	76	10662	1.193	ug/L	97
15) Methyl Acetate	4.569	43	2852m	2.532	ug/L	
16) Methylene chloride	4.810	84	7435	2.566	ug/L	96
17) trans-1,2-Dichloroethene	5.322	96	4946	1.885	ug/L #	85
18) Methyl tert-butyl Ether	5.316	73	11205m	2.255	ug/L	
19) 1,1-Dichloroethane	6.116	63	12733m	2.529	ug/L	
20) cis-1,2-Dichloroethene	7.087	96	6294	2.294	ug/L	89
22) 2-Butanone	7.104	43	3398m	5.212	ug/L	
23) Bromochloromethane	7.428	128	3341	2.513	ug/L #	71
25) Chloroform	7.599	83	16476	2.952	ug/L	91
27) 1,2-Dichloroethane	8.328	62	8499	2.611	ug/L #	93
29) Cyclohexane	7.881	56	5489	1.291	ug/L	91
30) 1,1,1-Trichloroethane	7.804	97	11128	2.485	ug/L	96
31) Carbon tetrachloride	7.999	117	9042	2.287	ug/L	96
33) Benzene	8.257	78	21674	1.885	ug/L	100
34) Trichloroethene	9.034	95	6552	2.201	ug/L	91
35) Methylcyclohexane	9.281	83	7174	1.620	ug/L	96
37) 1,2-Dichloropropane	9.310	63	7362	2.351	ug/L #	94
38) Bromodichloromethane	9.587	83	10706	2.727	ug/L #	99
39) cis-1,3-Dichloropropene	10.016	75	8483	1.916	ug/L	88
40) 4-Methyl-2-pentanone	10.163	43	6659	4.331	ug/L #	92
42) Toluene	10.340	91	22968	1.912	ug/L	93
44) trans-1,3-Dichloropropene	10.557	75	8607	2.252	ug/L	95

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45) 1,1,2-Trichloroethane	10.740	97	6230	2.724	ug/L	94
46) Tetrachloroethene	10.816	164	5040m	2.101	ug/L	
48) 2-Hexanone	10.928	43	4003	3.907	ug/L #	93
49) Dibromochloromethane	11.075	129	7076	2.779	ug/L	89
50) 1,2-Dibromoethane	11.181	107	4927	2.371	ug/L #	99
51) Chlorobenzene	11.610	112	18793	2.441	ug/L	96
52) Ethylbenzene	11.687	91	26308	2.041	ug/L	84
53) m,p-Xylene	11.798	106	9462	1.965	ug/L	88
54) o-Xylene	12.122	106	8451	1.876	ug/L	93
55) Styrene	12.134	104	16428	2.013	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	7146	2.757	ug/L	98
59) Bromoform	12.298	173	3970	2.805	ug/L	99
60) Isopropylbenzene	12.422	105	25020	2.274	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	4498	2.697	ug/L #	88
62) 1,3,5-Trimethylbenzene	12.904	105	19537	2.229	ug/L	95
63) 1,2,4-Trimethylbenzene	13.216	105	18138	2.121	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	12924	2.402	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	14439	2.599	ug/L	92
67) 1,2-Dichlorobenzene	13.828	146	12329	2.558	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.451	75	1263	3.466	ug/L	95
69) 1,3,5-Trichlorobenzene	14.598	180	10085	2.756	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	7512	2.516	ug/L	92
71) Naphthalene	15.339	128	12887	2.453	ug/L	95
72) 1,2,3-Trichlorobenzene	15.522	180	7232	2.608	ug/L	98

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

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