

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080363.D
 Acq On : 16 May 2025 11:29
 Operator : RP/MD
 Sample : VD0516SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	40972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	65195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	62693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	39674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	47157	89.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 178.000%#			
35) Dibromofluoromethane	7.806	113	45808	104.833	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 209.660%#			
50) Toluene-d8	10.270	98	170983	99.312	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 198.620%#			
62) 4-Bromofluorobenzene	12.570	95	53482	96.782	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 193.560%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	21777	61.887	ug/l	98
3) Chloromethane	2.147	50	41282	59.598	ug/l	93
4) Vinyl Chloride	2.288	62	47692	44.775	ug/l	100
5) Bromomethane	2.694	94	36890	48.115	ug/l	97
6) Chloroethane	2.841	64	33128	43.988	ug/l	93
7) Trichlorofluoromethane	3.176	101	46134	56.486	ug/l	89
8) Diethyl Ether	3.594	74	13631	54.067	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.970	101	27878	55.400	ug/l	95
10) Methyl Iodide	4.165	142	27530	53.668	ug/l	97
11) Tert butyl alcohol	5.053	59	8503	264.470	ug/l #	82
12) 1,1-Dichloroethene	3.947	96	25756	51.916	ug/l	100
13) Acrolein	3.800	56	6029	106.577	ug/l	95
14) Allyl chloride	4.559	41	37758	48.393	ug/l	94
15) Acrylonitrile	5.253	53	28450	234.724	ug/l #	80
16) Acetone	4.023	43	22818	281.891	ug/l	99
17) Carbon Disulfide	4.276	76	86621	50.280	ug/l	96
18) Methyl Acetate	4.565	43	16067	46.864	ug/l	95
19) Methyl tert-butyl Ether	5.317	73	54483	49.990	ug/l	99
20) Methylene Chloride	4.806	84	36175	65.085	ug/l	94
21) trans-1,2-Dichloroethene	5.306	96	28446	52.780	ug/l	92
22) Diisopropyl ether	6.211	45	83093	51.699	ug/l	94
23) Vinyl Acetate	6.159	43	225746	241.156	ug/l	99
24) 1,1-Dichloroethane	6.111	63	52638	52.045	ug/l	98
25) 2-Butanone	7.082	43	22318	153.092	ug/l	97
26) 2,2-Dichloropropane	7.076	77	30870	38.358	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	23451	39.273	ug/l	99
28) Bromochloromethane	7.429	49	17086	36.283	ug/l	94
29) Tetrahydrofuran	7.447	42	14867	156.409	ug/l	99
30) Chloroform	7.594	83	40507	40.162	ug/l	96
31) Cyclohexane	7.882	56	27994	32.521	ug/l	95
32) 1,1,1-Trichloroethane	7.788	97	34084	41.421	ug/l	98
36) 1,1-Dichloropropene	8.011	75	25997	39.808	ug/l	99
37) Ethyl Acetate	7.170	43	11652m	34.121	ug/l	
38) Carbon Tetrachloride	7.994	117	29385	43.146	ug/l	97
39) Methylcyclohexane	9.276	83	27926	36.852	ug/l	99
40) Benzene	8.253	78	81503	39.831	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080363.D
 Acq On : 16 May 2025 11:29
 Operator : RP/MD
 Sample : VD0516SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	6221	32.919	ug/l	95
42) 1,2-Dichloroethane	8.329	62	24441	41.221	ug/l	96
43) Isopropyl Acetate	8.364	43	22239	35.914	ug/l #	82
44) Trichloroethene	9.023	130	20461	43.077	ug/l	91
45) 1,2-Dichloropropane	9.305	63	21013	40.041	ug/l	96
46) Dibromomethane	9.394	93	12229	42.800	ug/l	99
47) Bromodichloromethane	9.588	83	30647	42.259	ug/l #	96
48) Methyl methacrylate	9.382	41	9076	30.847	ug/l #	87
49) 1,4-Dioxane	9.382	88	2488	732.412	ug/l #	88
51) 4-Methyl-2-Pentanone	10.158	43	54351	170.347	ug/l	98
52) Toluene	10.335	92	51715	41.951	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	25053	37.894	ug/l	97
54) cis-1,3-Dichloropropene	10.017	75	29948	39.090	ug/l #	86
55) 1,1,2-Trichloroethane	10.729	97	15377	40.686	ug/l	96
56) Ethyl methacrylate	10.599	69	16612	36.273	ug/l	96
57) 1,3-Dichloropropane	10.876	76	23533	37.465	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.870	63	35031	186.910	ug/l	96
59) 2-Hexanone	10.917	43	35940	163.749	ug/l	99
60) Dibromochloromethane	11.076	129	21505	45.404	ug/l	99
61) 1,2-Dibromoethane	11.176	107	14796	42.219	ug/l	97
64) Tetrachloroethene	10.805	164	17403	40.992	ug/l	91
65) Chlorobenzene	11.605	112	53608	37.870	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.682	131	20141	41.413	ug/l	97
67) Ethyl Benzene	11.682	91	87859	37.140	ug/l	100
68) m/p-Xylenes	11.788	106	73167	79.657	ug/l	97
69) o-Xylene	12.123	106	32680	38.935	ug/l	89
70) Styrene	12.129	104	59317	39.357	ug/l	98
71) Bromoform	12.299	173	11927	41.277	ug/l #	97
73) Isopropylbenzene	12.417	105	80315	31.207	ug/l	97
74) N-amyl acetate	12.229	43	20830	28.200	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	18607	32.878	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	10918m	28.514	ug/l	
77) Bromobenzene	12.699	156	23181	34.725	ug/l	99
78) n-propylbenzene	12.764	91	116902	36.196	ug/l	97
79) 2-Chlorotoluene	12.846	91	62171	33.094	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	72773	33.153	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.470	75	6232	30.894	ug/l	94
82) 4-Chlorotoluene	12.946	91	66744	32.914	ug/l	98
83) tert-Butylbenzene	13.164	119	59655	32.568	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	73229	32.606	ug/l	98
85) sec-Butylbenzene	13.341	105	91643	32.444	ug/l	99
86) p-Isopropyltoluene	13.458	119	85742	36.117	ug/l	98
87) 1,3-Dichlorobenzene	13.458	146	52139	37.451	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	52446	37.368	ug/l	99
89) n-Butylbenzene	13.788	91	83008	36.019	ug/l	99
90) Hexachloroethane	14.046	117	18293	34.826	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	47167	39.001	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3324	36.852	ug/l	85
93) 1,2,4-Trichlorobenzene	15.093	180	24135	31.733	ug/l	99
94) Hexachlorobutadiene	15.199	225	13272	33.542	ug/l	97
95) Naphthalene	15.329	128	38922	27.255	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.517	180	22048	32.413	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
Data File : VD080363.D
Acq On : 16 May 2025 11:29
Operator : RP/MD
Sample : VD0516SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Quant Time: May 17 01:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

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

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

