

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080320.D
 Acq On : 14 May 2025 13:57
 Operator : RP/MD
 Sample : VD0514SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:34:45 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	108123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	170138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	94201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	66869	47.825	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.640%		
35) Dibromofluoromethane	7.805	113	62231	52.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.840%		
50) Toluene-d8	10.270	98	237057	51.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.320%		
62) 4-Bromofluorobenzene	12.570	95	76682	51.564	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	27447	26.028	ug/l	93
3) Chloromethane	2.153	50	43430	20.439	ug/l	97
4) Vinyl Chloride	2.276	62	58270	20.730	ug/l	98
5) Bromomethane	2.682	94	40608	20.070	ug/l	98
6) Chloroethane	2.823	64	41644	20.954	ug/l	93
7) Trichlorofluoromethane	3.164	101	45828	21.263	ug/l	100
8) Diethyl Ether	3.588	74	12717	19.114	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.959	101	25769	19.405	ug/l	98
10) Methyl Iodide	4.159	142	28146	20.792	ug/l	97
11) Tert butyl alcohol	5.070	59	8113m	95.621	ug/l	
12) 1,1-Dichloroethene	3.935	96	25302	19.326	ug/l #	92
13) Acrolein	3.806	56	8764	58.707	ug/l	96
14) Allyl chloride	4.564	41	34037	16.531	ug/l	91
15) Acrylonitrile	5.253	53	30044	93.929	ug/l	99
16) Acetone	4.023	43	23160	98.134	ug/l	98
17) Carbon Disulfide	4.264	76	88967	19.569	ug/l	100
18) Methyl Acetate	4.564	43	19185	21.205	ug/l	99
19) Methyl tert-butyl Ether	5.323	73	54758	19.039	ug/l	99
20) Methylene Chloride	4.794	84	35374	21.509	ug/l #	85
21) trans-1,2-Dichloroethene	5.311	96	27157	19.094	ug/l	94
22) Diisopropyl ether	6.217	45	80858	19.064	ug/l	94
23) Vinyl Acetate	6.158	43	223292	90.390	ug/l	98
24) 1,1-Dichloroethane	6.111	63	52770	19.771	ug/l	99
25) 2-Butanone	7.082	43	34843	90.569	ug/l	94
26) 2,2-Dichloropropane	7.082	77	40387	19.016	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	30708	19.488	ug/l	98
28) Bromochloromethane	7.423	49	24188	19.464	ug/l	98
29) Tetrahydrofuran	7.452	42	24338	97.027	ug/l	95
30) Chloroform	7.594	83	54260	20.386	ug/l	97
31) Cyclohexane	7.876	56	40481	17.821	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	43747	20.146	ug/l	95
36) 1,1-Dichloropropene	8.005	75	36327	20.670	ug/l	97
37) Ethyl Acetate	7.164	43	17745	19.309	ug/l	97
38) Carbon Tetrachloride	7.994	117	38773	21.155	ug/l	89
39) Methylcyclohexane	9.276	83	37166	18.225	ug/l	98
40) Benzene	8.252	78	112886	20.500	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080320.D
 Acq On : 14 May 2025 13:57
 Operator : RP/MD
 Sample : VD0514SBSD01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:34:45 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	7.400	41	9234	18.157	ug/l	98
42) 1,2-Dichloroethane	8.329	62	34403	21.561	ug/l	100
43) Isopropyl Acetate	8.358	43	32236	19.344	ug/l	98
44) Trichloroethene	9.029	130	27140	21.232	ug/l	98
45) 1,2-Dichloropropane	9.305	63	30235	21.409	ug/l	96
46) Dibromomethane	9.394	93	17459	22.706	ug/l	95
47) Bromodichloromethane	9.582	83	41844	21.441	ug/l	96
48) Methyl methacrylate	9.376	41	14510	18.325	ug/l	96
49) 1,4-Dioxane	9.382	88	3881	424.539	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	86390	100.614	ug/l	93
52) Toluene	10.335	92	69044	20.812	ug/l	94
53) t-1,3-Dichloropropene	10.552	75	35761	20.100	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	41281	20.022	ug/l	99
55) 1,1,2-Trichloroethane	10.735	97	22028	21.658	ug/l	96
56) Ethyl methacrylate	10.594	69	23711	19.239	ug/l	94
57) 1,3-Dichloropropane	10.876	76	36305	21.477	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.870	63	48960	97.071	ug/l	98
59) 2-Hexanone	10.917	43	56917	96.363	ug/l	96
60) Dibromochloromethane	11.076	129	28772	22.573	ug/l	98
61) 1,2-Dibromoethane	11.176	107	20063	21.273	ug/l	97
64) Tetrachloroethene	10.811	164	22626	19.638	ug/l	97
65) Chlorobenzene	11.605	112	75690	19.702	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	27455	20.802	ug/l	98
67) Ethyl Benzene	11.682	91	123851	19.292	ug/l	100
68) m/p-Xylenes	11.793	106	97306	39.036	ug/l	98
69) o-Xylene	12.117	106	43711	19.190	ug/l	93
70) Styrene	12.135	104	80039	19.569	ug/l	98
71) Bromoform	12.293	173	16564	21.123	ug/l #	100
73) Isopropylbenzene	12.417	105	109729	17.957	ug/l	98
74) N-amyl acetate	12.229	43	31168	17.772	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	26515	19.732	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	15040m	16.543	ug/l	
77) Bromobenzene	12.699	156	32251	20.347	ug/l	99
78) n-propylbenzene	12.758	91	145714	19.002	ug/l	99
79) 2-Chlorotoluene	12.846	91	86837	19.468	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	100106	19.207	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.470	75	9310	19.438	ug/l	96
82) 4-Chlorotoluene	12.946	91	93535	19.426	ug/l	99
83) tert-Butylbenzene	13.164	119	80335	18.471	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	102044	19.136	ug/l	98
85) sec-Butylbenzene	13.340	105	125033	18.643	ug/l	99
86) p-Isopropyltoluene	13.458	119	107020	18.986	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	65750	19.891	ug/l	96
88) 1,4-Dichlorobenzene	13.535	146	65246	19.579	ug/l	98
89) n-Butylbenzene	13.787	91	98233	17.952	ug/l	98
90) Hexachloroethane	14.046	117	24479	19.627	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	56894	19.813	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4473	20.886	ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	33330	18.457	ug/l	98
94) Hexachlorobutadiene	15.199	225	17589	18.722	ug/l	99
95) Naphthalene	15.329	128	59557	17.564	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	29810	18.457	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 15 03:34:45 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

