

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080360.D
 Acq On : 16 May 2025 09:59
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 17 01:15:08 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	118570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	183095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	165433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	89926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	69737	45.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.960%		
35) Dibromofluoromethane	7.806	113	68692	55.976	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.960%		
50) Toluene-d8	10.270	98	259182	53.603	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	107.200%		
62) 4-Bromofluorobenzene	12.570	95	81382	52.439	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	61134	59.832	ug/l	99
3) Chloromethane	2.147	50	104612	51.501	ug/l	96
4) Vinyl Chloride	2.288	62	130708	42.404	ug/l	95
5) Bromomethane	2.700	94	97072	43.750	ug/l	98
6) Chloroethane	2.841	64	87332	40.071	ug/l	100
7) Trichlorofluoromethane	3.182	101	122199	51.701	ug/l	94
8) Diethyl Ether	3.594	74	36539	50.081	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.965	101	74223	50.968	ug/l	98
10) Methyl Iodide	4.170	142	82992	55.906	ug/l	99
11) Tert butyl alcohol	5.053	59	19921	214.106	ug/l	97
12) 1,1-Dichloroethene	3.941	96	72373	50.409	ug/l	96
13) Acrolein	3.800	56	30695	187.499	ug/l	96
14) Allyl chloride	4.570	41	108282	47.956	ug/l	95
15) Acrylonitrile	5.253	53	79256	225.954	ug/l	98
16) Acetone	4.023	43	80287	343.780	ug/l	97
17) Carbon Disulfide	4.276	76	250903	50.326	ug/l	99
18) Methyl Acetate	4.565	43	37179	37.473	ug/l	99
19) Methyl tert-butyl Ether	5.323	73	156369	49.577	ug/l	94
20) Methylene Chloride	4.800	84	85846	52.625	ug/l	90
21) trans-1,2-Dichloroethene	5.312	96	80391	51.543	ug/l	94
22) Diisopropyl ether	6.217	45	230157	49.482	ug/l	96
23) Vinyl Acetate	6.159	43	667049	246.234	ug/l	99
24) 1,1-Dichloroethane	6.117	63	142084	48.544	ug/l	99
25) 2-Butanone	7.082	43	102221	242.297	ug/l	99
26) 2,2-Dichloropropane	7.076	77	119475	51.299	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	88280	51.087	ug/l	99
28) Bromochloromethane	7.423	49	59826	43.900	ug/l #	92
29) Tetrahydrofuran	7.447	42	62552	227.400	ug/l	98
30) Chloroform	7.600	83	140196	48.033	ug/l	99
31) Cyclohexane	7.876	56	120643	48.431	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	121972	51.221	ug/l	98
36) 1,1-Dichloropropene	8.011	75	102489	55.881	ug/l	97
37) Ethyl Acetate	7.164	43	44402	46.298	ug/l	98
38) Carbon Tetrachloride	7.994	117	106133	55.488	ug/l	99
39) Methylcyclohexane	9.276	83	120002	56.387	ug/l	99
40) Benzene	8.253	78	299948	52.195	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	21293	40.120	ug/l #	89
42) 1,2-Dichloroethane	8.323	62	79892	47.977	ug/l	99
43) Isopropyl Acetate	8.358	43	81954	47.125	ug/l	99
44) Trichloroethene	9.029	130	70341	52.730	ug/l	99
45) 1,2-Dichloropropane	9.305	63	75005	50.892	ug/l	92
46) Dibromomethane	9.394	93	41090	51.207	ug/l	97
47) Bromodichloromethane	9.582	83	103944	51.035	ug/l	97
48) Methyl methacrylate	9.376	41	40280	48.747	ug/l	96
49) 1,4-Dioxane	9.388	88	8881	930.904	ug/l	93
51) 4-Methyl-2-Pentanone	10.158	43	215948	240.999	ug/l	99
52) Toluene	10.335	92	183403	52.975	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	91076	49.051	ug/l	95
54) cis-1,3-Dichloropropene	10.017	75	111564	51.851	ug/l	94
55) 1,1,2-Trichloroethane	10.735	97	52932	49.869	ug/l	96
56) Ethyl methacrylate	10.600	69	67809	52.721	ug/l	96
57) 1,3-Dichloropropane	10.876	76	89905	50.965	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	143820	273.235	ug/l	98
59) 2-Hexanone	10.923	43	154933	251.352	ug/l	98
60) Dibromochloromethane	11.070	129	67771	50.949	ug/l	100
61) 1,2-Dibromoethane	11.176	107	49939	50.739	ug/l	98
64) Tetrachloroethene	10.805	164	60961	54.416	ug/l	97
65) Chlorobenzene	11.605	112	195279	52.278	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.682	131	66336	51.690	ug/l	100
67) Ethyl Benzene	11.682	91	347098	55.604	ug/l	98
68) m/p-Xylenes	11.794	106	276031	113.884	ug/l	99
69) o-Xylene	12.123	106	122381	55.255	ug/l	97
70) Styrene	12.135	104	218105	54.841	ug/l	100
71) Bromoform	12.299	173	38805	50.894	ug/l #	99
73) Isopropylbenzene	12.417	105	323015	55.374	ug/l	100
74) N-amyl acetate	12.229	43	80095	47.840	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	63420	49.439	ug/l	96
76) 1,2,3-Trichloropropane	12.723	75	38533m	44.398	ug/l	
77) Bromobenzene	12.699	156	78246	51.712	ug/l	98
78) n-propylbenzene	12.764	91	413105	56.432	ug/l	99
79) 2-Chlorotoluene	12.846	91	229400	53.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	282060	56.691	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.464	75	23779	52.006	ug/l	96
82) 4-Chlorotoluene	12.946	91	244436	53.180	ug/l	99
83) tert-Butylbenzene	13.164	119	229307	55.230	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	284149	55.818	ug/l	98
85) sec-Butylbenzene	13.346	105	365609	57.104	ug/l	100
86) p-Isopropyltoluene	13.458	119	307057	57.064	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	164410	52.102	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	161181	50.667	ug/l	97
89) n-Butylbenzene	13.788	91	298099	57.069	ug/l	100
90) Hexachloroethane	14.052	117	62217	52.257	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	141001	51.438	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	9738	47.631	ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	88734	51.473	ug/l	99
94) Hexachlorobutadiene	15.199	225	47929	53.441	ug/l	98
95) Naphthalene	15.329	128	163061	50.376	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	79068	51.283	ug/l	99

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

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