

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021900.D
 Acq On : 17 Apr 2025 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025
 Supervised By :Semsettin Yesilyurt 04/18/2025

Quant Time: Apr 18 03:52:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	220938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	328284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	296396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	153693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108058	45.141	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.280%			
35) Dibromofluoromethane	7.634	113	106621	50.068	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.140%			
50) Toluene-d8	10.109	98	404117	49.883	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.408	95	140447	51.253	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	99085	43.269	ug/l	99
3) Chloromethane	2.068	50	134867	41.884	ug/l	99
4) Vinyl Chloride	2.202	62	156383	42.944	ug/l	100
5) Bromomethane	2.598	94	105804	42.600	ug/l	99
6) Chloroethane	2.739	64	105894	44.440	ug/l	99
7) Trichlorofluoromethane	3.062	101	217793	46.688	ug/l	98
8) Diethyl Ether	3.458	74	57473	45.305	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	119696	48.650	ug/l	98
10) Methyl Iodide	4.007	142	139402	51.647	ug/l	99
11) Tert butyl alcohol	4.878	59	32444	208.665	ug/l	99
12) 1,1-Dichloroethene	3.793	96	108440	46.793	ug/l	94
13) Acrolein	3.659	56	11899	41.912	ug/l	99
14) Allyl chloride	4.385	41	169352	45.834	ug/l	99
15) Acrylonitrile	5.061	53	122845	231.922	ug/l	99
16) Acetone	3.873	43	108976	222.438	ug/l	98
17) Carbon Disulfide	4.110	76	332294	43.534	ug/l	100
18) Methyl Acetate	4.385	43	72107	59.386	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	274572	47.589	ug/l	98
20) Methylene Chloride	4.616	84	120165	50.135	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	122105	47.855	ug/l	98
22) Diisopropyl ether	6.025	45	377642	48.722	ug/l	97
23) Vinyl Acetate	5.964	43	1030322	227.225	ug/l	98
24) 1,1-Dichloroethane	5.915	63	221948	47.888	ug/l	99
25) 2-Butanone	6.896	43	159374	227.758	ug/l	97
26) 2,2-Dichloropropane	6.890	77	200573	48.651	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	141104	49.175	ug/l	97
28) Bromochloromethane	7.244	49	93136	47.649	ug/l	98
29) Tetrahydrofuran	7.262	42	101555	225.501	ug/l	97
30) Chloroform	7.421	83	233099	48.355	ug/l	96
31) Cyclohexane	7.707	56	190456	45.079	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	212523	48.778	ug/l	99
36) 1,1-Dichloropropene	7.835	75	164576	50.739	ug/l	99
37) Ethyl Acetate	6.988	43	72317	47.241	ug/l	100
38) Carbon Tetrachloride	7.823	117	194922	52.469	ug/l	100
39) Methylcyclohexane	9.109	83	202624	52.292	ug/l	98
40) Benzene	8.085	78	495050	50.964	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	35896	44.155	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	136009	49.666	ug/l	99
43) Isopropyl Acetate	8.201	43	138784	47.841	ug/l	99
44) Trichloroethene	8.866	130	129829	52.456	ug/l	98
45) 1,2-Dichloropropane	9.140	63	117638	51.162	ug/l	97
46) Dibromomethane	9.231	93	67600	51.013	ug/l	99
47) Bromodichloromethane	9.426	83	179500	52.276	ug/l	99
48) Methyl methacrylate	9.225	41	68054	51.114	ug/l	98
49) 1,4-Dioxane	9.231	88	13335	939.369	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	382413	253.312	ug/l	99
52) Toluene	10.170	92	322269	53.175	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	156955	51.463	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	183660	51.045	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	89516	52.493	ug/l	100
56) Ethyl methacrylate	10.445	69	118089	54.232	ug/l	97
57) 1,3-Dichloropropane	10.719	76	151966	51.599	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	303636	285.843	ug/l	100
59) 2-Hexanone	10.762	43	257440	256.056	ug/l	99
60) Dibromochloromethane	10.914	129	123855	53.196	ug/l	100
61) 1,2-Dibromoethane	11.018	107	83375	52.119	ug/l	100
64) Tetrachloroethene	10.652	164	150484	55.745	ug/l	98
65) Chlorobenzene	11.444	112	349641	51.460	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	126871	52.630	ug/l	100
67) Ethyl Benzene	11.524	91	618037	53.046	ug/l	99
68) m/p-Xylenes	11.633	106	475353	106.547	ug/l	100
69) o-Xylene	11.957	106	221469	53.777	ug/l	100
70) Styrene	11.975	104	378717	55.154	ug/l	99
71) Bromoform	12.133	173	72005	52.364	ug/l #	99
73) Isopropylbenzene	12.255	105	595302	52.149	ug/l	99
74) N-amyl acetate	12.072	43	128529	47.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	96684	47.109	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	68039m	44.660	ug/l	
77) Bromobenzene	12.536	156	140411	51.229	ug/l	97
78) n-propylbenzene	12.597	91	721788	52.593	ug/l	99
79) 2-Chlorotoluene	12.682	91	409730	51.402	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	493516	52.897	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	31527	47.682	ug/l	97
82) 4-Chlorotoluene	12.780	91	424874	51.126	ug/l	98
83) tert-Butylbenzene	12.999	119	446791	53.766	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	492939	53.458	ug/l	100
85) sec-Butylbenzene	13.176	105	651228	53.625	ug/l	100
86) p-Isopropyltoluene	13.298	119	550898	54.886	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	280652	51.973	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	276165	51.763	ug/l	99
89) n-Butylbenzene	13.621	91	509733	54.913	ug/l	100
90) Hexachloroethane	13.883	117	112722	51.249	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	245885	52.308	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15519	48.787	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	146434	57.444	ug/l	99
94) Hexachlorobutadiene	15.029	225	90788	57.026	ug/l	99
95) Naphthalene	15.151	128	245522	58.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	127349	58.584	ug/l	100

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

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