

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021792.D
 Acq On : 04 Apr 2025 17:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:41:42 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	174293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	268405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93081	49.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.580%		
35) Dibromofluoromethane	7.634	113	89783	51.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.140%		
50) Toluene-d8	10.103	98	328405	49.581	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.160%		
62) 4-Bromofluorobenzene	12.408	95	121039	54.025	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	108.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	62640	34.675	ug/l	99
3) Chloromethane	2.068	50	96339	37.926	ug/l	100
4) Vinyl Chloride	2.202	62	116025	40.388	ug/l	97
5) Bromomethane	2.592	94	80538	41.105	ug/l	100
6) Chloroethane	2.733	64	82750	44.021	ug/l	96
7) Trichlorofluoromethane	3.056	101	168626	45.822	ug/l	98
8) Diethyl Ether	3.452	74	47435	47.399	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	96948	49.950	ug/l	99
10) Methyl Iodide	4.001	142	97802	45.932	ug/l	100
11) Tert butyl alcohol	4.866	59	29874	243.556	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	83387	45.612	ug/l	95
13) Acrolein	3.647	56	1776	7.930	ug/l	94
14) Allyl chloride	4.385	41	138265	47.435	ug/l	99
15) Acrylonitrile	5.061	53	111919	267.842	ug/l	100
16) Acetone	3.873	43	83270	215.455	ug/l	99
17) Carbon Disulfide	4.104	76	228452	37.940	ug/l	100
18) Methyl Acetate	4.385	43	73615	76.853	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	231989	50.970	ug/l	100
20) Methylene Chloride	4.616	84	100684	53.510	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	95054	47.223	ug/l	97
22) Diisopropyl ether	6.019	45	321680	52.609	ug/l	99
23) Vinyl Acetate	5.958	43	852883	238.431	ug/l	99
24) 1,1-Dichloroethane	5.915	63	183690	50.240	ug/l	99
25) 2-Butanone	6.896	43	139355	252.446	ug/l	99
26) 2,2-Dichloropropane	6.884	77	150953	46.414	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	113782	50.266	ug/l	99
28) Bromochloromethane	7.244	49	76527	49.629	ug/l	99
29) Tetrahydrofuran	7.262	42	94257	265.308	ug/l	100
30) Chloroform	7.421	83	195921	51.519	ug/l	96
31) Cyclohexane	7.701	56	150188	45.062	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	174309	50.714	ug/l	100
36) 1,1-Dichloropropene	7.835	75	132692	50.035	ug/l	99
37) Ethyl Acetate	6.988	43	64748	51.733	ug/l	99
38) Carbon Tetrachloride	7.817	117	155663	51.249	ug/l	99
39) Methylcyclohexane	9.109	83	161325	50.922	ug/l	99
40) Benzene	8.079	78	405446	51.051	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	34626	52.095	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	115981	51.801	ug/l	100
43) Isopropyl Acetate	8.195	43	124209	52.369	ug/l	99
44) Trichloroethene	8.866	130	105036	51.907	ug/l	99
45) 1,2-Dichloropropane	9.140	63	100494	53.457	ug/l	98
46) Dibromomethane	9.231	93	57879	53.422	ug/l	96
47) Bromodichloromethane	9.420	83	151198	53.857	ug/l	98
48) Methyl methacrylate	9.219	41	59783	54.919	ug/l	99
49) 1,4-Dioxane	9.231	88	12102	1042.700	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	352592	285.663	ug/l	99
52) Toluene	10.170	92	260277	52.527	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	131936	52.910	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	152131	51.714	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	78322	56.175	ug/l	96
56) Ethyl methacrylate	10.439	69	101856	57.212	ug/l	99
57) 1,3-Dichloropropane	10.719	76	130252	54.092	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	256125	294.907	ug/l	99
59) 2-Hexanone	10.762	43	237017	288.335	ug/l	99
60) Dibromochloromethane	10.914	129	107386	56.412	ug/l	99
61) 1,2-Dibromoethane	11.012	107	71249	54.475	ug/l	100
64) Tetrachloroethene	10.646	164	115433	51.070	ug/l	98
65) Chlorobenzene	11.438	112	288107	50.644	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	105444	52.241	ug/l	99
67) Ethyl Benzene	11.518	91	504722	51.739	ug/l	100
68) m/p-Xylenes	11.627	106	385465	103.189	ug/l	100
69) o-Xylene	11.957	106	181127	52.528	ug/l	99
70) Styrene	11.969	104	310624	54.028	ug/l	99
71) Bromoform	12.133	173	62495	54.280	ug/l #	100
73) Isopropylbenzene	12.255	105	490199	46.563	ug/l	100
74) N-amyl acetate	12.072	43	110051	44.542	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86820	45.870	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	65314m	46.487	ug/l	
77) Bromobenzene	12.530	156	115240	45.591	ug/l	99
78) n-propylbenzene	12.597	91	601889	47.555	ug/l	100
79) 2-Chlorotoluene	12.682	91	337495	45.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	405133	47.086	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	26232	43.020	ug/l	90
82) 4-Chlorotoluene	12.780	91	353167	46.082	ug/l	99
83) tert-Butylbenzene	12.999	119	368560	48.092	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	407964	47.974	ug/l	99
85) sec-Butylbenzene	13.176	105	545612	48.717	ug/l	100
86) p-Isopropyltoluene	13.292	119	453488	48.991	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	233593	46.907	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	229501	46.644	ug/l	99
89) n-Butylbenzene	13.615	91	419749	49.033	ug/l	99
90) Hexachloroethane	13.877	117	95647	47.153	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	205263	47.349	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14291	48.715	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	117675	50.055	ug/l	99
94) Hexachlorobutadiene	15.023	225	74539	50.768	ug/l	97
95) Naphthalene	15.145	128	211567	54.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	103426	51.591	ug/l	100

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

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