

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021746.D
 Acq On : 01 Apr 2025 17:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:25:00 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	219091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	348712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	314436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123608	52.072	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.140%			
35) Dibromofluoromethane	7.634	113	120553	53.294	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.580%			
50) Toluene-d8	10.103	98	463114	53.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.640%			
62) 4-Bromofluorobenzene	12.408	95	158683	54.516	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	111831	49.247	ug/l	99
3) Chloromethane	2.068	50	153722	48.142	ug/l	100
4) Vinyl Chloride	2.202	62	171915	47.607	ug/l	100
5) Bromomethane	2.598	94	119756	48.623	ug/l	97
6) Chloroethane	2.733	64	114814	48.589	ug/l	95
7) Trichlorofluoromethane	3.056	101	227252	49.126	ug/l	97
8) Diethyl Ether	3.458	74	63906	50.800	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	122783	50.325	ug/l	99
10) Methyl Iodide	4.007	142	147027	54.931	ug/l	99
11) Tert butyl alcohol	4.866	59	33769	219.018	ug/l #	83
12) 1,1-Dichloroethene	3.787	96	118679	51.643	ug/l	97
13) Acrolein	3.659	56	39790	141.334	ug/l	97
14) Allyl chloride	4.385	41	190587	52.015	ug/l	99
15) Acrylonitrile	5.061	53	131449	250.257	ug/l	100
16) Acetone	3.873	43	96916	199.489	ug/l	99
17) Carbon Disulfide	4.104	76	383599	50.679	ug/l	99
18) Methyl Acetate	4.385	43	65138	54.099	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	298818	52.228	ug/l	98
20) Methylene Chloride	4.616	84	134351	57.061	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	135427	53.524	ug/l	97
22) Diisopropyl ether	6.019	45	417838	54.362	ug/l	97
23) Vinyl Acetate	5.958	43	1163926	258.853	ug/l	99
24) 1,1-Dichloroethane	5.915	63	243297	52.937	ug/l	99
25) 2-Butanone	6.890	43	162254	233.828	ug/l	97
26) 2,2-Dichloropropane	6.884	77	204408	49.999	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	153950	54.104	ug/l	98
28) Bromochloromethane	7.244	49	103064	53.172	ug/l	99
29) Tetrahydrofuran	7.262	42	107232	240.114	ug/l	97
30) Chloroform	7.421	83	254706	53.283	ug/l	96
31) Cyclohexane	7.701	56	205662	49.089	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	226443	52.411	ug/l	99
36) 1,1-Dichloropropene	7.835	75	178384	51.774	ug/l	99
37) Ethyl Acetate	6.982	43	78223	48.106	ug/l	99
38) Carbon Tetrachloride	7.817	117	202194	51.238	ug/l	96
39) Methylcyclohexane	9.109	83	214750	52.175	ug/l	99
40) Benzene	8.079	78	543349	52.659	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	44998	52.108	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	149770	51.488	ug/l	100
43) Isopropyl Acetate	8.195	43	150777	48.930	ug/l	99
44) Trichloroethene	8.866	130	137212	52.192	ug/l	98
45) 1,2-Dichloropropane	9.140	63	131498	53.840	ug/l	96
46) Dibromomethane	9.231	93	73274	52.056	ug/l	98
47) Bromodichloromethane	9.420	83	192679	52.827	ug/l	97
48) Methyl methacrylate	9.219	41	72930	51.567	ug/l	99
49) 1,4-Dioxane	9.231	88	14549	964.848	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	404819	252.445	ug/l	99
52) Toluene	10.170	92	347768	54.021	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	170795	52.720	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	205752	53.835	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	96274	53.148	ug/l	97
56) Ethyl methacrylate	10.438	69	126142	54.536	ug/l	97
57) 1,3-Dichloropropane	10.719	76	165871	53.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	315430	279.550	ug/l	100
59) 2-Hexanone	10.762	43	269137	252.008	ug/l	100
60) Dibromochloromethane	10.908	129	132707	53.658	ug/l	100
61) 1,2-Dibromoethane	11.018	107	90676	53.362	ug/l	100
64) Tetrachloroethene	10.646	164	143549	50.125	ug/l	96
65) Chlorobenzene	11.444	112	373940	51.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	134869	52.737	ug/l	99
67) Ethyl Benzene	11.518	91	665300	53.827	ug/l	100
68) m/p-Xylenes	11.627	106	511611	108.095	ug/l	100
69) o-Xylene	11.957	106	238442	54.577	ug/l	100
70) Styrene	11.969	104	399289	54.814	ug/l	99
71) Bromoform	12.133	173	75323	51.635	ug/l	100
73) Isopropylbenzene	12.255	105	625955	51.840	ug/l	100
74) N-amyl acetate	12.072	43	138793	48.977	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	103924	47.871	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	78780m	48.886	ug/l	
77) Bromobenzene	12.530	156	148319	51.159	ug/l	97
78) n-propylbenzene	12.597	91	763789	52.614	ug/l	100
79) 2-Chlorotoluene	12.682	91	437155	51.847	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	521642	52.858	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	32760	46.841	ug/l	99
82) 4-Chlorotoluene	12.780	91	453581	51.600	ug/l	100
83) tert-Butylbenzene	12.999	119	458216	52.129	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	516157	52.919	ug/l	100
85) sec-Butylbenzene	13.176	105	664052	51.695	ug/l	100
86) p-Isopropyltoluene	13.292	119	558389	52.594	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	289265	50.643	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	283662	50.265	ug/l	99
89) n-Butylbenzene	13.615	91	508810	51.820	ug/l	100
90) Hexachloroethane	13.883	117	117615	50.553	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	252261	50.734	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	16065	47.745	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	136901	50.771	ug/l	99
94) Hexachlorobutadiene	15.023	225	83668	49.684	ug/l	98
95) Naphthalene	15.145	128	226667	50.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	117597	51.143	ug/l	99

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

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