

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021882.D
 Acq On : 15 Apr 2025 09:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 16 02:59:36 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	252212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	387709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	344739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	129583	47.420	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.840%		
35) Dibromofluoromethane	7.634	113	127454	50.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.360%		
50) Toluene-d8	10.109	98	474914	49.637	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.280%		
62) 4-Bromofluorobenzene	12.407	95	169500	52.375	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	113219	43.311	ug/l	99
3) Chloromethane	2.068	50	149844	40.765	ug/l	98
4) Vinyl Chloride	2.202	62	176616	42.486	ug/l	99
5) Bromomethane	2.592	94	118907	41.939	ug/l	97
6) Chloroethane	2.732	64	117566	43.220	ug/l	98
7) Trichlorofluoromethane	3.055	101	242127	45.468	ug/l	95
8) Diethyl Ether	3.452	74	70593	48.747	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	134051	47.729	ug/l	98
10) Methyl Iodide	4.000	142	159189	51.664	ug/l	99
11) Tert butyl alcohol	4.854	59	43683	246.112	ug/l	96
12) 1,1-Dichloroethene	3.787	96	127397	48.157	ug/l	98
13) Acrolein	3.653	56	17545	54.136	ug/l	100
14) Allyl chloride	4.384	41	202967	48.120	ug/l	99
15) Acrylonitrile	5.055	53	151497	250.549	ug/l	100
16) Acetone	3.866	43	123279	220.431	ug/l	96
17) Carbon Disulfide	4.104	76	388647	44.603	ug/l	99
18) Methyl Acetate	4.378	43	84171	60.726	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	338811	51.442	ug/l	99
20) Methylene Chloride	4.610	84	143772	52.748	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	143403	49.233	ug/l	98
22) Diisopropyl ether	6.018	45	443040	50.071	ug/l	96
23) Vinyl Acetate	5.957	43	1244327	240.393	ug/l	99
24) 1,1-Dichloroethane	5.915	63	260502	49.237	ug/l	99
25) 2-Butanone	6.890	43	194407	243.373	ug/l	98
26) 2,2-Dichloropropane	6.884	77	235182	49.972	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	167021	50.990	ug/l	98
28) Bromochloromethane	7.244	49	109032	48.864	ug/l	94
29) Tetrahydrofuran	7.262	42	126629	246.311	ug/l	97
30) Chloroform	7.420	83	275737	50.107	ug/l	98
31) Cyclohexane	7.701	56	215380	44.657	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	246437	49.549	ug/l	99
36) 1,1-Dichloropropene	7.835	75	190706	49.783	ug/l	98
37) Ethyl Acetate	6.981	43	87596	48.452	ug/l	99
38) Carbon Tetrachloride	7.817	117	223203	50.872	ug/l	99
39) Methylcyclohexane	9.109	83	229912	50.240	ug/l	99
40) Benzene	8.079	78	582905	50.810	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	47562	49.538	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	164460	50.851	ug/l	99
43) Isopropyl Acetate	8.195	43	173604	50.671	ug/l #	85
44) Trichloroethene	8.865	130	157315	53.820	ug/l	99
45) 1,2-Dichloropropane	9.140	63	139506	51.373	ug/l	98
46) Dibromomethane	9.231	93	81279	51.935	ug/l	98
47) Bromodichloromethane	9.420	83	211248	52.093	ug/l	99
48) Methyl methacrylate	9.219	41	80874	51.433	ug/l	97
49) 1,4-Dioxane	9.231	88	18384	1096.546	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	473176	265.393	ug/l	100
52) Toluene	10.170	92	377894	52.796	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	190548	52.901	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	220353	51.856	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	106182	52.722	ug/l	98
56) Ethyl methacrylate	10.438	69	144364	56.137	ug/l	97
57) 1,3-Dichloropropane	10.719	76	184238	52.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	365010	290.953	ug/l	98
59) 2-Hexanone	10.761	43	310878	261.814	ug/l	97
60) Dibromochloromethane	10.914	129	147386	53.600	ug/l	100
61) 1,2-Dibromoethane	11.017	107	102499	54.253	ug/l	99
64) Tetrachloroethene	10.645	164	181606	57.840	ug/l	98
65) Chlorobenzene	11.444	112	411870	52.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	147773	52.704	ug/l	98
67) Ethyl Benzene	11.517	91	722279	53.300	ug/l	100
68) m/p-Xylenes	11.633	106	556160	107.178	ug/l	99
69) o-Xylene	11.956	106	264235	55.164	ug/l	99
70) Styrene	11.968	104	441254	55.250	ug/l	99
71) Bromoform	12.133	173	86599	54.146	ug/l #	100
73) Isopropylbenzene	12.255	105	692870	52.727	ug/l	100
74) N-amyl acetate	12.072	43	157994	51.230	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	111454	47.175	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	93294m	53.196	ug/l	
77) Bromobenzene	12.535	156	166313	52.712	ug/l	96
78) n-propylbenzene	12.596	91	829804	52.525	ug/l	99
79) 2-Chlorotoluene	12.682	91	476932	51.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	569169	52.996	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	38094	50.049	ug/l	98
82) 4-Chlorotoluene	12.779	91	496802	51.932	ug/l	99
83) tert-Butylbenzene	12.999	119	502983	52.580	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	571642	53.853	ug/l	100
85) sec-Butylbenzene	13.175	105	743617	53.193	ug/l	99
86) p-Isopropyltoluene	13.291	119	632394	54.732	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	325398	52.347	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	318449	51.852	ug/l	98
89) n-Butylbenzene	13.620	91	575537	53.861	ug/l	99
90) Hexachloroethane	13.883	117	129286	51.061	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	285549	52.770	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18777	51.278	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	171949	58.596	ug/l	99
94) Hexachlorobutadiene	15.029	225	103857	56.670	ug/l	99
95) Naphthalene	15.145	128	301505	61.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	149087	59.579	ug/l	99

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

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