

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010950.D
 Acq On : 13 Oct 2022 11:06
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 14 02:09:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	251804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	407413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	362659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122306	47.919	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.840%		
35) Dibromofluoromethane	7.716	113	123096	45.516	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.040%		
50) Toluene-d8	10.179	98	464297	50.200	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.400%		
62) 4-Bromofluorobenzene	12.483	95	160135	43.866	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	89402	51.249	ug/l	98
3) Chloromethane	2.113	50	131425	45.295	ug/l	96
4) Vinyl Chloride	2.247	62	152268	43.582	ug/l	99
5) Bromomethane	2.650	94	100247	40.436	ug/l	99
6) Chloroethane	2.790	64	100447	43.140	ug/l	99
7) Trichlorofluoromethane	3.125	101	213118	50.088	ug/l	93
8) Diethyl Ether	3.527	74	75390	55.077	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	131144	53.761	ug/l	93
10) Methyl Iodide	4.088	142	166517	51.065	ug/l	91
11) Tert butyl alcohol	4.942	59	57366	258.637	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	125065	52.534	ug/l	84
13) Acrolein	3.722	56	31590	175.179	ug/l	99
14) Allyl chloride	4.472	41	205108	57.555	ug/l #	88
15) Acrylonitrile	5.155	53	195566	293.271	ug/l	97
16) Acetone	3.942	43	185098	285.543	ug/l #	86
17) Carbon Disulfide	4.192	76	369228	47.993	ug/l	100
18) Methyl Acetate	4.472	43	93622	56.540	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	343128	55.059	ug/l	97
20) Methylene Chloride	4.710	84	151970	53.903	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	145598	52.376	ug/l	90
22) Diisopropyl ether	6.112	45	449449	57.505	ug/l	94
23) Vinyl Acetate	6.051	43	1359551	287.169	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	266657	56.026	ug/l	99
25) 2-Butanone	6.978	43	256840	275.591	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	233084	51.592	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	168068	54.478	ug/l	90
28) Bromochloromethane	7.332	49	100862	56.554	ug/l	90
29) Tetrahydrofuran	7.344	42	158248	288.751	ug/l #	88
30) Chloroform	7.502	83	269358	54.837	ug/l	99
31) Cyclohexane	7.783	56	225714	49.406	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	235431	53.206	ug/l	96
36) 1,1-Dichloropropene	7.917	75	203874	52.220	ug/l	98
37) Ethyl Acetate	7.069	43	108918	56.851	ug/l	95
38) Carbon Tetrachloride	7.899	117	211869	52.103	ug/l	98
39) Methylcyclohexane	9.179	83	243092	50.691	ug/l	93
40) Benzene	8.155	78	599573	53.312	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	53395m	47.707	ug/l	
42) 1,2-Dichloroethane	8.234	62	166761	52.449	ug/l	92
43) Isopropyl Acetate	8.270	43	189986	54.790	ug/l #	90
44) Trichloroethene	8.935	130	158472	52.041	ug/l	96
45) 1,2-Dichloropropane	9.215	63	153404	56.581	ug/l	93
46) Dibromomethane	9.301	93	83952	54.135	ug/l	95
47) Bromodichloromethane	9.496	83	206924	55.290	ug/l	100
48) Methyl methacrylate	9.289	41	91090	55.930	ug/l #	82
49) 1,4-Dioxane	9.295	88	22403	1173.543	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	536669	282.892	ug/l	89
52) Toluene	10.240	92	380241	53.125	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	209463	54.059	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	244925	55.199	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	118817	54.603	ug/l	97
56) Ethyl methacrylate	10.508	69	158815	56.803	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	204667	55.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	418387	286.796	ug/l	98
59) 2-Hexanone	10.831	43	379909	289.145	ug/l	87
60) Dibromochloromethane	10.983	129	143329	54.937	ug/l	100
61) 1,2-Dibromoethane	11.087	107	111349	53.668	ug/l	100
64) Tetrachloroethene	10.715	164	149557	52.011	ug/l	96
65) Chlorobenzene	11.514	112	400309	53.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	148283	54.018	ug/l	98
67) Ethyl Benzene	11.593	91	731669	54.134	ug/l	100
68) m/p-Xylenes	11.703	106	560355	105.937	ug/l	95
69) o-Xylene	12.026	106	265557	53.698	ug/l	95
70) Styrene	12.044	104	453132	54.367	ug/l	96
71) Bromoform	12.209	173	88742	54.310	ug/l #	98
73) Isopropylbenzene	12.331	105	709110	54.028	ug/l	99
74) N-amyl acetate	12.142	43	170985	56.685	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	137231	55.964	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	102436m	56.658	ug/l	
77) Bromobenzene	12.605	156	159433	52.953	ug/l	99
78) n-propylbenzene	12.672	91	865125	54.122	ug/l	100
79) 2-Chlorotoluene	12.757	91	481327	53.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	593337	53.450	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	49274	56.931	ug/l #	85
82) 4-Chlorotoluene	12.855	91	500372	53.509	ug/l	100
83) tert-Butylbenzene	13.074	119	508901	53.773	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	587572	53.837	ug/l	99
85) sec-Butylbenzene	13.251	105	769395	54.008	ug/l	100
86) p-Isopropyltoluene	13.367	119	640362	53.578	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	319386	52.263	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	314998	52.056	ug/l	99
89) n-Butylbenzene	13.696	91	599715	54.527	ug/l	99
90) Hexachloroethane	13.958	117	122819	53.723	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	282962	53.124	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21170	53.689	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	164902	52.764	ug/l	99
94) Hexachlorobutadiene	15.111	225	97878	50.794	ug/l	100
95) Naphthalene	15.239	128	333580	56.003	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	141769	53.213	ug/l	99

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

