

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007364.D
 Acq On : 02 Feb 2022 19:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 03 04:44:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	136911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	233221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	80626	51.197	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.400%			
35) Dibromofluoromethane	7.716	113	74201	49.547	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.100%			
50) Toluene-d8	10.179	98	270869	48.956	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.477	95	91593	48.705	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	77113	48.107	ug/l	97
3) Chloromethane	2.113	50	87108	49.607	ug/l	97
4) Vinyl Chloride	2.253	62	91814	48.573	ug/l	100
5) Bromomethane	2.650	94	62032	54.179	ug/l	98
6) Chloroethane	2.790	64	57853	49.836	ug/l	99
7) Trichlorofluoromethane	3.125	101	153055	49.967	ug/l	94
8) Diethyl Ether	3.527	74	48539	53.385	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	86390	50.078	ug/l	93
10) Methyl Iodide	4.088	142	102199	54.954	ug/l	96
11) Tert butyl alcohol	4.948	59	49322	278.082	ug/l	98
12) 1,1-Dichloroethene	3.875	96	80554	50.551	ug/l	89
13) Acrolein	3.729	56	56315	266.196	ug/l	97
14) Allyl chloride	4.478	41	129445	52.887	ug/l #	96
15) Acrylonitrile	5.161	53	117502	275.067	ug/l	99
16) Acetone	3.942	43	135163	264.270	ug/l	99
17) Carbon Disulfide	4.192	76	251789	50.331	ug/l	100
18) Methyl Acetate	4.478	43	52693	55.005	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	241548	53.803	ug/l	95
20) Methylene Chloride	4.716	84	87681	53.035	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	88278	50.076	ug/l	91
22) Diisopropyl ether	6.118	45	270239	52.694	ug/l #	94
23) Vinyl Acetate	6.057	43	905246	270.656	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	159125	51.375	ug/l	99
25) 2-Butanone	6.984	43	171015	276.750	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	143972	48.578	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	100321	51.520	ug/l	91
28) Bromochloromethane	7.332	49	62441	51.558	ug/l #	89
29) Tetrahydrofuran	7.344	42	99688	279.176	ug/l #	88
30) Chloroform	7.502	83	165740	51.440	ug/l	100
31) Cyclohexane	7.783	56	147633	48.044	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	152907	51.061	ug/l	96
36) 1,1-Dichloropropene	7.917	75	129316	49.392	ug/l	99
37) Ethyl Acetate	7.076	43	68655	52.745	ug/l	96
38) Carbon Tetrachloride	7.899	117	135909	49.410	ug/l	99
39) Methylcyclohexane	9.179	83	163141	49.617	ug/l	93
40) Benzene	8.161	78	350778	50.545	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	36070m	55.765	ug/l	
42) 1,2-Dichloroethane	8.234	62	109393	51.854	ug/l	94
43) Isopropyl Acetate	8.270	43	134351	55.192	ug/l #	93
44) Trichloroethene	8.941	130	94266	50.237	ug/l	92
45) 1,2-Dichloropropane	9.215	63	85846	50.166	ug/l	92
46) Dibromomethane	9.307	93	53353	52.404	ug/l	91
47) Bromodichloromethane	9.496	83	128669	52.263	ug/l	98
48) Methyl methacrylate	9.295	41	61466	55.835	ug/l #	89
49) 1,4-Dioxane	9.289	88	13276	1190.437	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	338945	274.548	ug/l	91
52) Toluene	10.246	92	218886	50.059	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	134592	52.330	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	149249	51.808	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	71304	53.326	ug/l	96
56) Ethyl methacrylate	10.508	69	102921	55.417	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	124414	52.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	262697	271.919	ug/l	97
59) 2-Hexanone	10.831	43	245029	272.241	ug/l	91
60) Dibromochloromethane	10.983	129	84979	51.049	ug/l	97
61) 1,2-Dibromoethane	11.087	107	69617	52.625	ug/l	99
64) Tetrachloroethene	10.715	164	79927	49.991	ug/l	93
65) Chlorobenzene	11.514	112	230377	50.832	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	86789	51.299	ug/l	98
67) Ethyl Benzene	11.593	91	431255	50.145	ug/l	99
68) m/p-Xylenes	11.703	106	323904	101.688	ug/l	100
69) o-Xylene	12.026	106	153969	51.126	ug/l	100
70) Styrene	12.044	104	256933	51.755	ug/l	99
71) Bromoform	12.209	173	49935	53.495	ug/l #	98
73) Isopropylbenzene	12.325	105	414610	49.898	ug/l	98
74) N-amyl acetate	12.142	43	110842	53.892	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	80841	53.275	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	57497m	53.196	ug/l	
77) Bromobenzene	12.605	156	88248	50.419	ug/l	95
78) n-propylbenzene	12.666	91	503417	50.020	ug/l	99
79) 2-Chlorotoluene	12.757	91	281178	50.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	343405	50.661	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	28752	53.294	ug/l	88
82) 4-Chlorotoluene	12.849	91	286215	50.010	ug/l	98
83) tert-Butylbenzene	13.075	119	299494	50.753	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	336932	50.484	ug/l	99
85) sec-Butylbenzene	13.251	105	441934	49.930	ug/l	99
86) p-Isopropyltoluene	13.367	119	361963	50.201	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	172871	50.941	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	170953	50.536	ug/l	97
89) n-Butylbenzene	13.690	91	347420	50.062	ug/l	99
90) Hexachloroethane	13.959	117	68761	50.462	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	150675	50.443	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13533	54.880	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	85473	48.319	ug/l	96
94) Hexachlorobutadiene	15.111	225	47493	48.499	ug/l	98
95) Naphthalene	15.233	128	195544	53.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	73865	49.468	ug/l	98

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

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