

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007154.D
 Acq On : 13 Jan 2022 21:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 6.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

Quant Time: Jan 14 06:11:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	132201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	224709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	201084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84079	51.833	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.660%			
35) Dibromofluoromethane	7.716	113	77500	51.005	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.020%			
50) Toluene-d8	10.179	98	284510	51.245	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.483	95	102436	51.868	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	39726	85.699	ug/l	98
3) Chloromethane	2.113	50	48056	49.435	ug/l	97
4) Vinyl Chloride	2.259	62	70676	49.954	ug/l	98
5) Bromomethane	2.662	94	48812	53.280	ug/l	99
6) Chloroethane	2.802	64	45425	51.458	ug/l	96
7) Trichlorofluoromethane	3.125	101	75467	49.494	ug/l	100
8) Diethyl Ether	3.528	74	44264	52.718	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	74617	50.227	ug/l	98
10) Methyl Iodide	4.088	142	109885	50.010	ug/l	97
11) Tert butyl alcohol	4.948	59	36325	262.877	ug/l	100
12) 1,1-Dichloroethene	3.869	96	74564	49.844	ug/l	96
13) Acrolein	3.729	56	7517	224.547	ug/l	89
14) Allyl chloride	4.473	41	122301	50.988	ug/l	97
15) Acrylonitrile	5.155	53	109810	272.120	ug/l	98
16) Acetone	3.942	43	103298	245.374	ug/l	100
17) Carbon Disulfide	4.198	76	203785	49.054	ug/l	100
18) Methyl Acetate	4.473	43	75139	50.161	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	150567	51.126	ug/l	95
20) Methylene Chloride	4.716	84	82823	47.578	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	82468	50.850	ug/l	96
22) Diisopropyl ether	6.119	45	251292	51.713	ug/l	98
23) Vinyl Acetate	6.058	43	779289	272.696	ug/l	100
24) 1,1-Dichloroethane	6.009	63	153261	51.847	ug/l	100
25) 2-Butanone	6.978	43	145218	266.803	ug/l	98
26) 2,2-Dichloropropane	6.978	77	100893	46.833	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	95774	52.060	ug/l	98
28) Bromochloromethane	7.332	49	60632	56.705	ug/l	96
29) Tetrahydrofuran	7.344	42	96006	274.396	ug/l	98
30) Chloroform	7.509	83	161598	52.615	ug/l	100
31) Cyclohexane	7.783	56	131723	48.032	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	134380	51.189	ug/l	98
36) 1,1-Dichloropropene	7.917	75	121115	49.908	ug/l	99
37) Ethyl Acetate	7.070	43	66118	53.090	ug/l	97
38) Carbon Tetrachloride	7.899	117	128088	50.180	ug/l	99
39) Methylcyclohexane	9.179	83	148443	50.099	ug/l	98
40) Benzene	8.161	78	331828	51.261	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	43982m	61.326	ug/l	
42) 1,2-Dichloroethane	8.234	62	108182	53.071	ug/l	100
43) Isopropyl Acetate	8.271	43	131360	54.207	ug/l	98
44) Trichloroethene	8.935	130	87611	50.015	ug/l	94
45) 1,2-Dichloropropane	9.216	63	85232	51.777	ug/l	96
46) Dibromomethane	9.301	93	51340	52.740	ug/l	98
47) Bromodichloromethane	9.496	83	125900	52.610	ug/l	99
48) Methyl methacrylate	9.289	41	58588	53.154	ug/l	96
49) 1,4-Dioxane	9.301	88	12475	1188.558	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	333564	271.472	ug/l	98
52) Toluene	10.240	92	208696	50.862	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	133206	52.730	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	146046	51.647	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	69312	52.493	ug/l	98
56) Ethyl methacrylate	10.508	69	100645	54.106	ug/l	97
57) 1,3-Dichloropropane	10.788	76	122788	53.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	208953	247.036	ug/l	99
59) 2-Hexanone	10.831	43	229731	275.495	ug/l	97
60) Dibromochloromethane	10.984	129	85876	52.907	ug/l	99
61) 1,2-Dibromoethane	11.087	107	69750	53.771	ug/l	100
64) Tetrachloroethene	10.715	164	74316	51.273	ug/l	95
65) Chlorobenzene	11.514	112	225735	51.340	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	84153	51.632	ug/l	99
67) Ethyl Benzene	11.593	91	422555	51.133	ug/l	99
68) m/p-Xylenes	11.703	106	312888	101.885	ug/l	99
69) o-Xylene	12.026	106	150394	52.003	ug/l	100
70) Styrene	12.044	104	257026	52.683	ug/l	100
71) Bromoform	12.209	173	49674	52.689	ug/l #	99
73) Isopropylbenzene	12.331	105	398294	50.035	ug/l	99
74) N-amyl acetate	12.142	43	117780	55.331	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	81200	52.458	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	60460m	57.531	ug/l	
77) Bromobenzene	12.605	156	88156	50.896	ug/l	97
78) n-propylbenzene	12.672	91	493652	50.026	ug/l	100
79) 2-Chlorotoluene	12.758	91	279223	50.892	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	330508	50.567	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	29834	51.972	ug/l #	97
82) 4-Chlorotoluene	12.855	91	287523	50.238	ug/l	99
83) tert-Butylbenzene	13.075	119	286417	50.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	330367	50.993	ug/l	100
85) sec-Butylbenzene	13.251	105	419665	49.670	ug/l	100
86) p-Isopropyltoluene	13.367	119	350280	50.448	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	173351	51.131	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	171318	50.253	ug/l	99
89) n-Butylbenzene	13.696	91	342630	50.117	ug/l	100
90) Hexachloroethane	13.959	117	69676	51.330	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	154280	51.145	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13941	52.146	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	92294	50.313	ug/l	100
94) Hexachlorobutadiene	15.111	225	46771	49.472	ug/l	99
95) Naphthalene	15.233	128	208598	53.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	80544	51.466	ug/l	98

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

