

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030822\
 Data File : VY007798.D
 Acq On : 08 Mar 2022 22:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2022
 Supervised By : Mahesh Dadoda 03/09/2022

Quant Time: Mar 09 00:31:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	240804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	380231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	355989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	118427	46.976	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.960%		
35) Dibromofluoromethane	7.715	113	121317	49.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.820%		
50) Toluene-d8	10.178	98	426595	47.673	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.340%		
62) 4-Bromofluorobenzene	12.483	95	144209	49.995	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	68007	42.536	ug/l	99
3) Chloromethane	2.113	50	112146	44.673	ug/l	100
4) Vinyl Chloride	2.253	62	154648	42.809	ug/l	98
5) Bromomethane	2.649	94	159151	54.509	ug/l	100
6) Chloroethane	2.796	64	119908	43.281	ug/l	97
7) Trichlorofluoromethane	3.125	101	192875	46.729	ug/l	97
8) Diethyl Ether	3.527	74	63034	47.461	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.899	101	118947	47.209	ug/l	96
10) Methyl Iodide	4.100	142	105379	34.376	ug/l	93
11) Tert butyl alcohol	4.954	59	48301	221.296	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	103239	46.169	ug/l	85
13) Acrolein	3.728	56	31141	153.835	ug/l	99
14) Allyl chloride	4.484	41	154004	45.788	ug/l #	90
15) Acrylonitrile	5.161	53	173509	247.498	ug/l	97
16) Acetone	3.948	43	122016	237.922	ug/l	92
17) Carbon Disulfide	4.198	76	251740	46.287	ug/l	97
18) Methyl Acetate	4.478	43	69973	46.204	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	339937	48.981	ug/l	93
20) Methylene Chloride	4.716	84	149100	61.558	ug/l	85
21) trans-1,2-Dichloroethene	5.228	96	125536	48.112	ug/l	86
22) Diisopropyl ether	6.124	45	404522	50.345	ug/l #	92
23) Vinyl Acetate	6.063	43	1275042	250.931	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	236041	48.619	ug/l	99
25) 2-Butanone	6.984	43	216916	252.139	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	198624	45.973	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	155215	50.731	ug/l	86
28) Bromochloromethane	7.338	49	100545	48.698	ug/l	83
29) Tetrahydrofuran	7.350	42	142026	241.274	ug/l #	83
30) Chloroform	7.508	83	259188	51.531	ug/l	100
31) Cyclohexane	7.789	56	181025	46.315	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	228497	51.046	ug/l	97
36) 1,1-Dichloropropene	7.917	75	181587	47.485	ug/l	99
37) Ethyl Acetate	7.075	43	96203	45.548	ug/l #	93
38) Carbon Tetrachloride	7.898	117	202704	49.692	ug/l	99
39) Methylcyclohexane	9.185	83	209602	44.598	ug/l	89
40) Benzene	8.161	78	531150	49.908	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	59041m	58.495	ug/l	
42) 1,2-Dichloroethane	8.240	62	169033	50.900	ug/l	95
43) Isopropyl Acetate	8.276	43	190025	48.649	ug/l #	92
44) Trichloroethene	8.941	130	148972	50.401	ug/l	99
45) 1,2-Dichloropropane	9.215	63	139092	50.539	ug/l	95
46) Dibromomethane	9.307	93	87874	53.191	ug/l	96
47) Bromodichloromethane	9.496	83	208161	53.722	ug/l	97
48) Methyl methacrylate	9.294	41	82856	48.938	ug/l #	82
49) 1,4-Dioxane	9.301	88	20713	1038.530	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	528997	253.112	ug/l	91
52) Toluene	10.246	92	352086	51.165	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	198723	49.952	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	221929	50.492	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	119296	53.079	ug/l	95
56) Ethyl methacrylate	10.508	69	148398	49.733	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	195091	51.332	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	409073	251.384	ug/l	94
59) 2-Hexanone	10.831	43	356643	253.398	ug/l	89
60) Dibromochloromethane	10.983	129	150286	56.157	ug/l	100
61) 1,2-Dibromoethane	11.087	107	113342	52.909	ug/l	98
64) Tetrachloroethene	10.721	164	124442	47.159	ug/l	98
65) Chlorobenzene	11.514	112	389242	50.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	152715	52.655	ug/l	98
67) Ethyl Benzene	11.593	91	688886	49.253	ug/l	98
68) m/p-Xylenes	11.703	106	540602	100.735	ug/l	93
69) o-Xylene	12.026	106	265495	52.206	ug/l	90
70) Styrene	12.044	104	459303	53.939	ug/l	95
71) Bromoform	12.209	173	96569	53.475	ug/l #	99
73) Isopropylbenzene	12.331	105	701518	48.129	ug/l	99
74) N-amyl acetate	12.142	43	175456	45.220	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.580	83	147551	48.265	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	103769m	49.664	ug/l	
77) Bromobenzene	12.611	156	168298	50.128	ug/l	91
78) n-propylbenzene	12.672	91	849368	48.291	ug/l	99
79) 2-Chlorotoluene	12.757	91	460275	48.904	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	571574	49.041	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	43186	42.254	ug/l	94
82) 4-Chlorotoluene	12.855	91	470412	48.592	ug/l	95
83) tert-Butylbenzene	13.074	119	524118	48.889	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	571787	49.806	ug/l	97
85) sec-Butylbenzene	13.251	105	782830	49.363	ug/l	100
86) p-Isopropyltoluene	13.367	119	653726	49.910	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	343611	51.432	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	334952	50.798	ug/l	98
89) n-Butylbenzene	13.696	91	599419	48.421	ug/l	99
90) Hexachloroethane	13.958	117	123578	49.773	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	302029	50.913	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21946	47.402	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	180525	48.067	ug/l	98
94) Hexachlorobutadiene	15.111	225	106217	47.835	ug/l	98
95) Naphthalene	15.239	128	367597	48.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	162264	48.477	ug/l	98

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

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