

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012022\
 Data File : VY007246.D
 Acq On : 20 Jan 2022 17:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/21/2022
 Supervised By : Mahesh Dadoda 01/21/2022

Quant Time: Jan 21 00:47:11 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	110305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	166201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54159	40.015	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.040%		
35) Dibromofluoromethane	7.716	113	49413	39.654	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.300%		
50) Toluene-d8	10.179	98	175829	38.617	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.240%		
62) 4-Bromofluorobenzene	12.483	95	63756	39.365	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	17599	45.502	ug/l	89
3) Chloromethane	2.113	50	32355	39.891	ug/l	96
4) Vinyl Chloride	2.259	62	55848	47.309	ug/l	96
5) Bromomethane	2.656	94	37294	48.789	ug/l	95
6) Chloroethane	2.802	64	35457	48.139	ug/l	99
7) Trichlorofluoromethane	3.125	101	53185	41.804	ug/l	99
8) Diethyl Ether	3.521	74	34176	48.783	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	58142	46.906	ug/l	100
10) Methyl Iodide	4.082	142	85300	46.527	ug/l	98
11) Tert butyl alcohol	4.942	59	29746	257.906	ug/l	99
12) 1,1-Dichloroethene	3.875	96	58220	46.644	ug/l	95
13) Acrolein	3.723	56	5788	205.877	ug/l	100
14) Allyl chloride	4.479	41	94016	46.976	ug/l	97
15) Acrylonitrile	5.161	53	86835	257.901	ug/l	97
16) Acetone	3.942	43	79642	226.735	ug/l	99
17) Carbon Disulfide	4.198	76	153806	44.373	ug/l	100
18) Methyl Acetate	4.472	43	61102	48.888	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	121203	49.324	ug/l	99
20) Methylene Chloride	4.716	84	65039	44.778	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	63239	46.734	ug/l	98
22) Diisopropyl ether	6.112	45	194690	48.018	ug/l	94
23) Vinyl Acetate	6.058	43	615409	258.097	ug/l	99
24) 1,1-Dichloroethane	6.015	63	117869	47.790	ug/l	99
25) 2-Butanone	6.984	43	119704	263.584	ug/l	98
26) 2,2-Dichloropropane	6.978	77	81866	45.544	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	73763	48.054	ug/l	98
28) Bromochloromethane	7.332	49	48043	53.851	ug/l	96
29) Tetrahydrofuran	7.344	42	76976	263.679	ug/l	99
30) Chloroform	7.502	83	123639	48.246	ug/l	96
31) Cyclohexane	7.783	56	100730	44.022	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	102881	46.969	ug/l	98
36) 1,1-Dichloropropene	7.917	75	93755	47.109	ug/l	99
37) Ethyl Acetate	7.076	43	53405	52.289	ug/l	97
38) Carbon Tetrachloride	7.899	117	99516	47.539	ug/l	98
39) Methylcyclohexane	9.179	83	113263	46.612	ug/l	98
40) Benzene	8.161	78	252570	47.577	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	29373m	49.941	ug/l	
42) 1,2-Dichloroethane	8.234	62	83034	49.670	ug/l	99
43) Isopropyl Acetate	8.271	43	101614	51.131	ug/l	97
44) Trichloroethene	8.941	130	68209	47.481	ug/l	98
45) 1,2-Dichloropropane	9.215	63	65387	48.435	ug/l	96
46) Dibromomethane	9.307	93	39741	49.781	ug/l	97
47) Bromodichloromethane	9.496	83	96317	49.077	ug/l	99
48) Methyl methacrylate	9.289	41	44823	49.587	ug/l	95
49) 1,4-Dioxane	9.301	88	10587	1229.951	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	268308	266.266	ug/l	97
52) Toluene	10.246	92	161585	48.019	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	102496	49.474	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	113021	48.736	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	54027	49.893	ug/l	97
56) Ethyl methacrylate	10.508	69	78299	51.326	ug/l	97
57) 1,3-Dichloropropane	10.788	76	94923	50.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	165274	238.260	ug/l	98
59) 2-Hexanone	10.831	43	186614	272.882	ug/l	97
60) Dibromochloromethane	10.983	129	66698	50.106	ug/l	99
61) 1,2-Dibromoethane	11.087	107	53467	50.260	ug/l	99
64) Tetrachloroethene	10.721	164	54411	45.419	ug/l	94
65) Chlorobenzene	11.514	112	171832	47.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	65342	48.505	ug/l	100
67) Ethyl Benzene	11.593	91	324564	47.518	ug/l	98
68) m/p-Xylenes	11.703	106	238107	93.807	ug/l	99
69) o-Xylene	12.026	106	112991	47.270	ug/l	99
70) Styrene	12.044	104	195144	48.394	ug/l	100
71) Bromoform	12.209	173	38742	49.719	ug/l #	99
73) Isopropylbenzene	12.331	105	305116	46.366	ug/l	99
74) N-amyl acetate	12.142	43	90159	51.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	63097	49.309	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	48027m	55.282	ug/l	
77) Bromobenzene	12.605	156	67935	47.444	ug/l	99
78) n-propylbenzene	12.672	91	376392	46.140	ug/l	100
79) 2-Chlorotoluene	12.758	91	210329	46.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	251956	46.631	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	23517	49.557	ug/l #	98
82) 4-Chlorotoluene	12.855	91	221034	46.718	ug/l	100
83) tert-Butylbenzene	13.075	119	217651	46.618	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	249790	46.640	ug/l	99
85) sec-Butylbenzene	13.251	105	321716	46.060	ug/l	99
86) p-Isopropyltoluene	13.367	119	267707	46.640	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	132069	47.122	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	129942	46.108	ug/l	100
89) n-Butylbenzene	13.696	91	264951	46.880	ug/l	99
90) Hexachloroethane	13.959	117	53548	47.719	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	116110	46.561	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10461	47.333	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	71738	47.306	ug/l	99
94) Hexachlorobutadiene	15.111	225	36007	46.071	ug/l	98
95) Naphthalene	15.233	128	159193	49.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	62381	48.217	ug/l	98

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

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