

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007139.D
 Acq On : 13 Jan 2022 12:47
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 05:27:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:26:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	137356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	204590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	82787	49.886	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.780%		
35) Dibromofluoromethane	7.715	113	77743	50.319	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.640%		
50) Toluene-d8	10.178	98	282959	49.671	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.340%		
62) 4-Bromofluorobenzene	12.483	95	99351	48.452	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	24467	51.781	ug/l	99
3) Chloromethane	2.113	50	46510	46.831	ug/l	100
4) Vinyl Chloride	2.259	62	74203	51.279	ug/l	98
5) Bromomethane	2.661	94	50613	52.562	ug/l	95
6) Chloroethane	2.802	64	47030	52.894	ug/l	97
7) Trichlorofluoromethane	3.131	101	79640	45.992	ug/l	98
8) Diethyl Ether	3.533	74	44979	51.837	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	77962	51.173	ug/l	97
10) Methyl Iodide	4.094	142	116168	49.652	ug/l	99
11) Tert butyl alcohol	4.954	59	34931	263.848	ug/l	99
12) 1,1-Dichloroethene	3.875	96	76996	49.196	ug/l	97
13) Acrolein	3.734	56	7883	181.219	ug/l	93
14) Allyl chloride	4.478	41	125934	52.374	ug/l	97
15) Acrylonitrile	5.167	53	108247	270.956	ug/l	99
16) Acetone	3.948	43	110851	334.447	ug/l	99
17) Carbon Disulfide	4.198	76	214553	48.140	ug/l	100
18) Methyl Acetate	4.472	43	73587	51.213	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	155843	50.080	ug/l	97
20) Methylene Chloride	4.710	84	84262	45.546	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	84003	49.616	ug/l	98
22) Diisopropyl ether	6.118	45	258974	52.866	ug/l	98
23) Vinyl Acetate	6.063	43	786964	276.832	ug/l	99
24) 1,1-Dichloroethane	6.021	63	155618	52.228	ug/l	99
25) 2-Butanone	6.984	43	143953	291.775	ug/l	99
26) 2,2-Dichloropropane	6.984	77	111308	48.623	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	96359	50.493	ug/l	97
28) Bromochloromethane	7.331	49	62110	56.376	ug/l	96
29) Tetrahydrofuran	7.343	42	92480	268.741	ug/l	99
30) Chloroform	7.508	83	162287	51.807	ug/l	94
31) Cyclohexane	7.789	56	135103	47.819	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	138128	50.868	ug/l	98
36) 1,1-Dichloropropene	7.917	75	123281	50.893	ug/l	100
37) Ethyl Acetate	7.075	43	66047	54.899	ug/l	98
38) Carbon Tetrachloride	7.898	117	130464	51.332	ug/l	98
39) Methylcyclohexane	9.185	83	151851	50.219	ug/l	97
40) Benzene	8.160	78	335480	51.284	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	33462m	49.232	ug/l	
42) 1,2-Dichloroethane	8.240	62	106730	53.121	ug/l	99
43) Isopropyl Acetate	8.276	43	127902	54.830	ug/l	98
44) Trichloroethene	8.941	130	91385	50.527	ug/l	97
45) 1,2-Dichloropropane	9.215	63	84967	52.203	ug/l	95
46) Dibromomethane	9.307	93	50706	52.336	ug/l	98
47) Bromodichloromethane	9.496	83	125803	51.991	ug/l	97
48) Methyl methacrylate	9.294	41	56633	54.279	ug/l	97
49) 1,4-Dioxane	9.300	88	11625	1148.862	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	324018	281.238	ug/l	98
52) Toluene	10.245	92	216266	51.759	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	135076	53.315	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	150035	52.590	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	69106	52.446	ug/l	97
56) Ethyl methacrylate	10.508	69	98373	53.268	ug/l	96
57) 1,3-Dichloropropane	10.788	76	120413	52.159	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	213967	253.787	ug/l	98
59) 2-Hexanone	10.831	43	216782	288.119	ug/l	98
60) Dibromochloromethane	10.983	129	85631	52.182	ug/l	100
61) 1,2-Dibromoethane	11.087	107	68953	52.289	ug/l	98
64) Tetrachloroethene	10.721	164	72669	49.852	ug/l	98
65) Chlorobenzene	11.520	112	227465	51.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	86001	52.382	ug/l	98
67) Ethyl Benzene	11.593	91	425182	51.292	ug/l	99
68) m/p-Xylenes	11.702	106	317235	102.262	ug/l	100
69) o-Xylene	12.032	106	148204	51.078	ug/l	98
70) Styrene	12.044	104	256051	52.164	ug/l	99
71) Bromoform	12.208	173	49805	53.025	ug/l #	98
73) Isopropylbenzene	12.330	105	400310	51.314	ug/l	99
74) N-amyl acetate	12.141	43	109415	54.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.580	83	78523	52.655	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	60763m	56.768	ug/l	
77) Bromobenzene	12.611	156	87328	50.834	ug/l	98
78) n-propylbenzene	12.672	91	492555	51.678	ug/l	100
79) 2-Chlorotoluene	12.757	91	277151	51.142	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	327770	51.142	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	30050	53.667	ug/l #	99
82) 4-Chlorotoluene	12.855	91	289849	51.790	ug/l	99
83) tert-Butylbenzene	13.074	119	285337	50.651	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	326371	51.700	ug/l	99
85) sec-Butylbenzene	13.251	105	423917	51.428	ug/l	100
86) p-Isopropyltoluene	13.373	119	350305	51.795	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	169519	51.045	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	169251	51.058	ug/l	99
89) n-Butylbenzene	13.696	91	344051	52.157	ug/l	99
90) Hexachloroethane	13.958	117	69278	51.767	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	150710	51.549	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	13207	53.074	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	91356	52.524	ug/l	98
94) Hexachlorobutadiene	15.110	225	46120	51.429	ug/l	98
95) Naphthalene	15.238	128	193958	53.265	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	77292	52.765	ug/l	99

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

