

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007192.D
 Acq On : 17 Jan 2022 17:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 18 03:10:24 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	133542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	227099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	202801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	86311	52.674	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.340%			
35) Dibromofluoromethane	7.722	113	77520	50.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%			
50) Toluene-d8	10.185	98	282582	50.362	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.483	95	101226	50.716	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	22575	48.211	ug/l	98
3) Chloromethane	2.113	50	41291	42.050	ug/l	96
4) Vinyl Chloride	2.259	62	69336	48.515	ug/l	99
5) Bromomethane	2.662	94	46857	50.633	ug/l	99
6) Chloroethane	2.802	64	44008	49.352	ug/l	97
7) Trichlorofluoromethane	3.125	101	69110	44.870	ug/l	97
8) Diethyl Ether	3.527	74	43870	51.724	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	72022	47.994	ug/l	98
10) Methyl Iodide	4.094	142	105148	47.374	ug/l	96
11) Tert butyl alcohol	4.954	59	37330	267.523	ug/l	99
12) 1,1-Dichloroethene	3.875	96	72346	47.876	ug/l	99
13) Acrolein	3.735	56	6993	205.421	ug/l	99
14) Allyl chloride	4.478	41	122490	50.554	ug/l	97
15) Acrylonitrile	5.161	53	110738	271.664	ug/l	98
16) Acetone	3.942	43	102916	242.012	ug/l	98
17) Carbon Disulfide	4.198	76	196942	46.931	ug/l	100
18) Methyl Acetate	4.472	43	75831	50.115	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	155516	52.276	ug/l	97
20) Methylene Chloride	4.716	84	79917	45.447	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	78501	47.918	ug/l	94
22) Diisopropyl ether	6.118	45	250431	51.018	ug/l	99
23) Vinyl Acetate	6.057	43	795295	275.502	ug/l	98
24) 1,1-Dichloroethane	6.015	63	147396	49.362	ug/l	99
25) 2-Butanone	6.984	43	146779	266.963	ug/l	97
26) 2,2-Dichloropropane	6.978	77	104636	48.083	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	90880	48.903	ug/l	97
28) Bromochloromethane	7.332	49	65593	60.729	ug/l	94
29) Tetrahydrofuran	7.344	42	96381	272.702	ug/l	97
30) Chloroform	7.508	83	157254	50.686	ug/l	98
31) Cyclohexane	7.783	56	128510	46.390	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	131597	49.625	ug/l	99
36) 1,1-Dichloropropene	7.917	75	117993	48.110	ug/l	99
37) Ethyl Acetate	7.076	43	68845	54.698	ug/l	96
38) Carbon Tetrachloride	7.899	117	123790	47.986	ug/l	99
39) Methylcyclohexane	9.185	83	141834	47.365	ug/l	97
40) Benzene	8.161	78	319197	48.791	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	36240m	49.999	ug/l	
42) 1,2-Dichloroethane	8.240	62	107557	52.209	ug/l	98
43) Isopropyl Acetate	8.270	43	130403	53.246	ug/l	97
44) Trichloroethene	8.941	130	83935	47.412	ug/l	100
45) 1,2-Dichloropropane	9.222	63	81878	49.216	ug/l	98
46) Dibromomethane	9.307	93	49102	49.910	ug/l	98
47) Bromodichloromethane	9.502	83	121871	50.390	ug/l	100
48) Methyl methacrylate	9.295	41	58810	52.794	ug/l	96
49) 1,4-Dioxane	9.301	88	12691	1196.412	ug/l #	92
51) 4-Methyl-2-Pentanone	10.081	43	199145	160.369	ug/l	94
52) Toluene	10.246	92	204396	49.290	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	134103	52.526	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	142164	49.745	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	67418	50.522	ug/l	97
56) Ethyl methacrylate	10.514	69	100768	53.602	ug/l	91
57) 1,3-Dichloropropane	10.794	76	120318	51.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	210107	245.786	ug/l	97
59) 2-Hexanone	10.837	43	232260	275.597	ug/l	95
60) Dibromochloromethane	10.990	129	84393	51.446	ug/l	100
61) 1,2-Dibromoethane	11.093	107	66560	50.771	ug/l	99
64) Tetrachloroethene	10.721	164	68066	46.564	ug/l	96
65) Chlorobenzene	11.520	112	214004	48.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	81224	49.413	ug/l	99
67) Ethyl Benzene	11.599	91	401642	48.191	ug/l	99
68) m/p-Xylenes	11.703	106	295461	95.396	ug/l	97
69) o-Xylene	12.032	106	140120	48.040	ug/l	96
70) Styrene	12.044	104	246290	50.055	ug/l	100
71) Bromoform	12.209	173	48617	51.132	ug/l #	99
73) Isopropylbenzene	12.331	105	378185	47.864	ug/l	99
74) N-amyl acetate	12.148	43	118345	56.012	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	78364	51.004	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	56162m	53.841	ug/l	
77) Bromobenzene	12.611	156	83003	48.279	ug/l	96
78) n-propylbenzene	12.672	91	466345	47.612	ug/l	99
79) 2-Chlorotoluene	12.764	91	263344	48.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	309032	47.635	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	29819	52.334	ug/l #	97
82) 4-Chlorotoluene	12.855	91	276435	48.661	ug/l	99
83) tert-Butylbenzene	13.081	119	271249	48.388	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	307866	47.876	ug/l	99
85) sec-Butylbenzene	13.257	105	399385	47.623	ug/l	99
86) p-Isopropyltoluene	13.373	119	327492	47.519	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	162071	48.162	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	159786	47.221	ug/l	99
89) n-Butylbenzene	13.702	91	322233	47.486	ug/l	99
90) Hexachloroethane	13.965	117	65704	48.765	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	143832	48.038	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13285	50.064	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	82787	45.468	ug/l	100
94) Hexachlorobutadiene	15.117	225	40922	43.609	ug/l	100
95) Naphthalene	15.239	128	185356	47.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	70563	45.425	ug/l	99

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

