

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007072.D
 Acq On : 08 Jan 2022 12:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2022
 Supervised By : Mahesh Dadoda 01/10/2022

Quant Time: Jan 10 03:00:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 02:57:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	159365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	269057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	236348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	90387	49.496	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.722	113	85456	49.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.260%		
50) Toluene-d8	10.185	98	314305	49.198	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.400%		
62) 4-Bromofluorobenzene	12.483	95	111602	46.704	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	29117	54.838	ug/l	100
3) Chloromethane	2.119	50	54304	44.561	ug/l	100
4) Vinyl Chloride	2.266	62	84773	55.726	ug/l	100
5) Bromomethane	2.668	94	57312	55.784	ug/l	100
6) Chloroethane	2.808	64	52861	56.070	ug/l	100
7) Trichlorofluoromethane	3.131	101	104790	55.802	ug/l	100
8) Diethyl Ether	3.534	74	50593	49.499	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	88800	48.894	ug/l	100
10) Methyl Iodide	4.094	142	138903	49.046	ug/l	100
11) Tert butyl alcohol	4.960	59	38134	232.222	ug/l	100
12) 1,1-Dichloroethene	3.881	96	91108	48.298	ug/l	100
13) Acrolein	3.735	56	11105	220.581	ug/l	100
14) Allyl chloride	4.485	41	139575	48.681	ug/l	100
15) Acrylonitrile	5.167	53	120006	241.705	ug/l	100
16) Acetone	3.954	43	88332	221.215	ug/l	100
17) Carbon Disulfide	4.204	76	263330	47.741	ug/l	100
18) Methyl Acetate	4.479	43	77479	45.460	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	183899	51.519	ug/l	100
20) Methylene Chloride	4.722	84	98453	27.277	ug/l	100
21) trans-1,2-Dichloroethene	5.228	96	97653	48.781	ug/l	100
22) Diisopropyl ether	6.125	45	284229	50.377	ug/l	100
23) Vinyl Acetate	6.070	43	855717	250.127	ug/l	100
24) 1,1-Dichloroethane	6.027	63	173751	50.211	ug/l	100
25) 2-Butanone	6.990	43	137435	237.576	ug/l	100
26) 2,2-Dichloropropane	6.990	77	131787	49.737	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	111228	49.581	ug/l	100
28) Bromochloromethane	7.338	49	73207	58.225	ug/l	100
29) Tetrahydrofuran	7.356	42	102201	240.487	ug/l	100
30) Chloroform	7.508	83	182781	50.533	ug/l	100
31) Cyclohexane	7.795	56	157787	46.088	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	158518	49.371	ug/l	100
36) 1,1-Dichloropropene	7.923	75	144582	50.087	ug/l	100
37) Ethyl Acetate	7.076	43	71293	48.900	ug/l	100
38) Carbon Tetrachloride	7.905	117	149315	49.545	ug/l	100
39) Methylcyclohexane	9.185	83	180121	47.974	ug/l	100
40) Benzene	8.167	78	386505	49.402	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	37285m	46.290	ug/l	
42) 1,2-Dichloroethane	8.246	62	118889	49.933	ug/l	100
43) Isopropyl Acetate	8.277	43	138671	49.211	ug/l	100
44) Trichloroethene	8.941	130	105758	48.512	ug/l	100
45) 1,2-Dichloropropane	9.222	63	95091	49.841	ug/l	100
46) Dibromomethane	9.307	93	57304	49.653	ug/l	100
47) Bromodichloromethane	9.502	83	142236	50.454	ug/l	100
48) Methyl methacrylate	9.295	41	64208	48.544	ug/l	100
49) 1,4-Dioxane	9.313	88	11463	984.880	ug/l	100
51) 4-Methyl-2-Pentanone	10.075	43	346734	248.667	ug/l	100
52) Toluene	10.246	92	244368	48.683	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	151104	49.896	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	169322	50.205	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	77643	49.024	ug/l	100
56) Ethyl methacrylate	10.514	69	112054	49.516	ug/l	100
57) 1,3-Dichloropropane	10.794	76	136494	50.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	243074	243.600	ug/l	100
59) 2-Hexanone	10.837	43	223886	246.485	ug/l	100
60) Dibromochloromethane	10.990	129	97262	50.049	ug/l	100
61) 1,2-Dibromoethane	11.093	107	77299	48.746	ug/l	100
64) Tetrachloroethene	10.721	164	84630	48.403	ug/l	100
65) Chlorobenzene	11.520	112	258204	49.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	95308	50.555	ug/l	100
67) Ethyl Benzene	11.593	91	484330	49.834	ug/l	100
68) m/p-Xylenes	11.709	106	360209	97.719	ug/l	100
69) o-Xylene	12.032	106	169789	49.057	ug/l	100
70) Styrene	12.044	104	291363	49.581	ug/l	100
71) Bromoform	12.209	173	55554	49.380	ug/l #	100
73) Isopropylbenzene	12.331	105	453341	49.527	ug/l	100
74) N-amyl acetate	12.148	43	118240	49.865	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	87749	50.474	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	60654m	47.386	ug/l	
77) Bromobenzene	12.611	156	100552	50.540	ug/l	100
78) n-propylbenzene	12.672	91	557560	50.000	ug/l	100
79) 2-Chlorotoluene	12.758	91	314735	49.612	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	374004	49.444	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	33076	47.241	ug/l #	100
82) 4-Chlorotoluene	12.855	91	328692	49.781	ug/l	100
83) tert-Butylbenzene	13.081	119	329323	49.384	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	367878	49.429	ug/l	100
85) sec-Butylbenzene	13.257	105	477559	49.181	ug/l	100
86) p-Isopropyltoluene	13.373	119	389544	48.826	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	193285	49.946	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	190106	49.251	ug/l	100
89) n-Butylbenzene	13.696	91	382749	49.630	ug/l	100
90) Hexachloroethane	13.965	117	77735	48.942	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	169228	49.525	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14591	45.205	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	101002	48.733	ug/l	100
94) Hexachlorobutadiene	15.111	225	50486	46.760	ug/l	100
95) Naphthalene	15.239	128	216628	47.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	86259	48.366	ug/l	100

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

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