

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008916.D
 Acq On : 20 May 2022 20:10
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 20 23:01:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 22:58:02 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	187318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	299580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	317440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	195012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	152254	90.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 181.940%#	
35) Dibromofluoromethane	7.716	113	170199	99.658	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 199.320%#	
50) Toluene-d8	10.179	98	600143	93.774	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 187.540%#	
62) 4-Bromofluorobenzene	12.477	95	327275	134.476	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 268.960%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	158611	104.592	ug/l	98
3) Chloromethane	2.113	50	202648	87.754	ug/l	96
4) Vinyl Chloride	2.247	62	307730	93.878	ug/l	98
5) Bromomethane	2.625	94	299549	117.729	ug/l	98
6) Chloroethane	2.784	64	225776	94.775	ug/l	99
7) Trichlorofluoromethane	3.119	101	272747	90.445	ug/l	91
8) Diethyl Ether	3.527	74	91423	105.951	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.893	101	173229	95.634	ug/l	93
10) Methyl Iodide	4.088	142	220119	109.032	ug/l	92
11) Tert butyl alcohol	4.954	59	89885	463.520	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	162417	98.329	ug/l	84
13) Acrolein	3.723	56	16401	181.056	ug/l	94
14) Allyl chloride	4.479	41	258628	105.698	ug/l #	90
15) Acrylonitrile	5.155	53	267106	473.324	ug/l	99
16) Acetone	3.942	43	172331	385.478	ug/l	90
17) Carbon Disulfide	4.186	76	540320	107.681	ug/l	99
18) Methyl Acetate	4.472	43	117829	82.567	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	533344	118.282	ug/l	96
20) Methylene Chloride	4.710	84	206803	87.781	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	223887	110.290	ug/l	86
22) Diisopropyl ether	6.112	45	676361	128.605	ug/l #	95
23) Vinyl Acetate	6.058	43	2252355	614.638	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	370690	108.147	ug/l	99
25) 2-Butanone	6.984	43	356523	484.280	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	339561	105.067	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	253546	111.881	ug/l	85
28) Bromochloromethane	7.332	49	125381	99.877	ug/l #	83
29) Tetrahydrofuran	7.344	42	250828	509.614	ug/l #	81
30) Chloroform	7.502	83	404965	110.424	ug/l	98
31) Cyclohexane	7.783	56	350295	108.028	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	371654	109.327	ug/l	97
36) 1,1-Dichloropropene	7.911	75	318700	109.410	ug/l	97
37) Ethyl Acetate	7.070	43	163308	96.461	ug/l #	93
38) Carbon Tetrachloride	7.899	117	340600	109.575	ug/l	99
39) Methylcyclohexane	9.179	83	435973	123.644	ug/l	88
40) Benzene	8.155	78	941045	115.086	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	92959m	104.245	ug/l	
42) 1,2-Dichloroethane	8.234	62	266175	110.867	ug/l	92
43) Isopropyl Acetate	8.271	43	317831	110.841	ug/l #	91
44) Trichloroethene	8.935	130	248114	112.187	ug/l	97
45) 1,2-Dichloropropane	9.215	63	222200	113.950	ug/l	94
46) Dibromomethane	9.301	93	145296	113.833	ug/l	95
47) Bromodichloromethane	9.496	83	327472	115.596	ug/l	98
48) Methyl methacrylate	9.289	41	147741	116.378	ug/l #	85
49) 1,4-Dioxane	9.295	88	39340	2117.555	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	915914	546.597	ug/l #	87
52) Toluene	10.240	92	717170	128.167	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	372819	125.930	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	387673	121.625	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	211171	121.671	ug/l	98
56) Ethyl methacrylate	10.508	69	298081	139.609	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	333699	116.722	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	578750	552.631	ug/l	94
59) 2-Hexanone	10.831	43	642140	541.342	ug/l	84
60) Dibromochloromethane	10.983	129	268476	128.020	ug/l	100
61) 1,2-Dibromoethane	11.087	107	213426	123.088	ug/l	100
64) Tetrachloroethene	10.715	164	229392	108.610	ug/l	99
65) Chlorobenzene	11.514	112	748884	112.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	287941	117.988	ug/l	97
67) Ethyl Benzene	11.593	91	1407727	117.792	ug/l	97
68) m/p-Xylenes	11.703	106	1161661	242.519	ug/l	91
69) o-Xylene	12.032	106	521636	117.968	ug/l	89
70) Styrene	12.044	104	971713	128.786	ug/l	93
71) Bromoform	12.203	173	204143	123.287	ug/l #	99
73) Isopropylbenzene	12.331	105	1523419	110.455	ug/l	99
74) N-amyl acetate	12.142	43	334930	102.352	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	289895	95.821	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	208695m	91.385	ug/l	
77) Bromobenzene	12.611	156	341717	106.983	ug/l	92
78) n-propylbenzene	12.672	91	1819451	115.087	ug/l	98
79) 2-Chlorotoluene	12.758	91	982149	106.925	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	1273562	113.701	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	106029	102.226	ug/l #	81
82) 4-Chlorotoluene	12.855	91	1054926	108.350	ug/l	96
83) tert-Butylbenzene	13.075	119	1131371	112.737	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	1259203	113.364	ug/l	96
85) sec-Butylbenzene	13.251	105	1695598	108.413	ug/l	99
86) p-Isopropyltoluene	13.367	119	1458705	114.146	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	740279	109.985	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	723691	108.788	ug/l	98
89) n-Butylbenzene	13.696	91	1244219	103.347	ug/l	97
90) Hexachloroethane	13.959	117	255542	105.973	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	654043	111.438	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	44297	86.825	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	354530	110.712	ug/l	99
94) Hexachlorobutadiene	15.111	225	181571	99.215	ug/l	99
95) Naphthalene	15.239	128	763210	108.354	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	307478	109.620	ug/l	99

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

