

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051222\
 Data File : VY008739.D
 Acq On : 12 May 2022 17:28
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 13 01:40:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 01:36:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	271590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	435726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	405465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	211879	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	351379	131.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 262.120%#	
35) Dibromofluoromethane	7.710	113	370219	138.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 277.600%#	
50) Toluene-d8	10.179	98	1408702	140.431	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 280.860%#	
62) 4-Bromofluorobenzene	12.483	95	502224	141.970	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 283.940%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	250296	107.580	ug/l	99
3) Chloromethane	2.107	50	430167	138.677	ug/l	99
4) Vinyl Chloride	2.247	62	613599	147.608	ug/l	98
5) Bromomethane	2.625	94	518027	148.077	ug/l	98
6) Chloroethane	2.777	64	436288	157.662	ug/l	99
7) Trichlorofluoromethane	3.113	101	566559	115.891	ug/l	97
8) Diethyl Ether	3.521	74	178821	114.445	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	345913	115.090	ug/l	100
10) Methyl Iodide	4.082	142	397956	131.465	ug/l	99
11) Tert butyl alcohol	4.954	59	192229	689.076	ug/l	98
12) 1,1-Dichloroethene	3.863	96	313836	112.968	ug/l	98
13) Acrolein	3.722	56	95354	445.925	ug/l	93
14) Allyl chloride	4.472	41	468371	127.512	ug/l	96
15) Acrylonitrile	5.155	53	496520	667.701	ug/l	98
16) Acetone	3.942	43	324335	545.525	ug/l	97
17) Carbon Disulfide	4.186	76	886751	113.720	ug/l	99
18) Methyl Acetate	4.472	43	212494	103.863	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	1047713	132.420	ug/l	99
20) Methylene Chloride	4.704	84	386311	107.351	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	421373	130.392	ug/l	97
22) Diisopropyl ether	6.112	45	1125000	140.224	ug/l	97
23) Vinyl Acetate	6.051	43	3733001	756.237	ug/l	96
24) 1,1-Dichloroethane	6.009	63	699011	132.275	ug/l	97
25) 2-Butanone	6.978	43	614628	671.919	ug/l	97
26) 2,2-Dichloropropane	6.978	77	675519	134.661	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	496390	131.882	ug/l	96
28) Bromochloromethane	7.332	49	258794	142.136	ug/l	94
29) Tetrahydrofuran	7.344	42	410591	689.994	ug/l	96
30) Chloroform	7.502	83	750450	131.202	ug/l	98
31) Cyclohexane	7.777	56	599908	120.542	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	693640	131.872	ug/l	98
36) 1,1-Dichloropropene	7.911	75	583493	139.278	ug/l	98
37) Ethyl Acetate	7.069	43	286340	147.926	ug/l	97
38) Carbon Tetrachloride	7.899	117	644785	141.769	ug/l	97
39) Methylcyclohexane	9.179	83	773578	137.636	ug/l	98
40) Benzene	8.155	78	1716738	142.792	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	134667m	133.293	ug/l	
42) 1,2-Dichloroethane	8.234	62	460399	136.733	ug/l	98
43) Isopropyl Acetate	8.270	43	546563	142.534	ug/l	97
44) Trichloroethene	8.935	130	464429	134.663	ug/l	97
45) 1,2-Dichloropropane	9.215	63	410540	144.260	ug/l	99
46) Dibromomethane	9.301	93	264122	142.758	ug/l	98
47) Bromodichloromethane	9.496	83	602620	141.646	ug/l	100
48) Methyl methacrylate	9.289	41	242802	144.137	ug/l	95
49) 1,4-Dioxane	9.295	88	70121	2927.119	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	1451900	748.451	ug/l	95
52) Toluene	10.240	92	1173754	148.539	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	645136	148.090	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	702478	142.796	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	369724	145.080	ug/l	98
56) Ethyl methacrylate	10.508	69	498009	150.860	ug/l	95
57) 1,3-Dichloropropane	10.788	76	588271	140.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	1277189	875.768	ug/l	95
59) 2-Hexanone	10.831	43	987589	732.266	ug/l	95
60) Dibromochloromethane	10.983	129	455672	147.151	ug/l	99
61) 1,2-Dibromoethane	11.087	107	358598	142.960	ug/l	96
64) Tetrachloroethene	10.715	164	420019	137.579	ug/l	99
65) Chlorobenzene	11.514	112	1247526	140.226	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	494367	150.404	ug/l	100
67) Ethyl Benzene	11.593	91	2312982	146.848	ug/l	100
68) m/p-Xylenes	11.703	106	1885280	300.733	ug/l	97
69) o-Xylene	12.026	106	893386	149.651	ug/l	98
70) Styrene	12.044	104	1526051	155.003	ug/l	99
71) Bromoform	12.209	173	301345	153.967	ug/l #	99
73) Isopropylbenzene	12.331	105	2328461	136.523	ug/l	99
74) N-amyl acetate	12.142	43	493090	131.252	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	440786	134.549	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	303205m	121.442	ug/l	
77) Bromobenzene	12.605	156	523270	135.482	ug/l	96
78) n-propylbenzene	12.672	91	2736678	135.272	ug/l	98
79) 2-Chlorotoluene	12.757	91	1475468	132.305	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	1894550	135.127	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	156092	139.433	ug/l	95
82) 4-Chlorotoluene	12.855	91	1541140	133.576	ug/l	97
83) tert-Butylbenzene	13.074	119	1706376	137.314	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	1889071	137.614	ug/l	98
85) sec-Butylbenzene	13.251	105	2535792	136.631	ug/l	98
86) p-Isopropyltoluene	13.367	119	2218863	143.877	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	1115504	143.390	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	1049691	135.710	ug/l	99
89) n-Butylbenzene	13.696	91	1945864	136.483	ug/l	98
90) Hexachloroethane	13.958	117	392621	133.114	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	940111	138.282	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	65229	126.351	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	537117	133.625	ug/l	99
94) Hexachlorobutadiene	15.111	225	275279	128.321	ug/l	99
95) Naphthalene	15.233	128	1162856	132.832	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	462840	133.161	ug/l	99

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

