

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008436.D
 Acq On : 21 Apr 2022 12:11
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/22/2022
 Supervised By :Semsettin Yesilyurt 04/22/2022

Quant Time: Apr 21 13:28:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 13:25:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	94986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	152477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	9545	9.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.600%#		
35) Dibromofluoromethane	7.716	113	8594	8.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	17.380%#		
50) Toluene-d8	10.179	98	28561	8.332	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	16.660%#		
62) 4-Bromofluorobenzene	12.483	95	11714	9.152	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	7363	8.960	ug/l	100
3) Chloromethane	2.113	50	12828	11.505	ug/l	92
4) Vinyl Chloride	2.253	62	16590	11.270	ug/l	94
5) Bromomethane	2.650	94	16484	12.373	ug/l	98
6) Chloroethane	2.796	64	11070	10.896	ug/l	98
7) Trichlorofluoromethane	3.131	101	16794	9.985	ug/l	92
8) Diethyl Ether	3.528	74	6216	10.227	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	9822	9.182	ug/l	94
10) Methyl Iodide	4.088	142	10576	9.579	ug/l	90
11) Tert butyl alcohol	4.948	59	7384	72.883	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	9315	9.554	ug/l #	72
13) Acrolein	3.735	56	6688	82.408	ug/l	97
14) Allyl chloride	4.485	41	11965	9.452	ug/l #	86
15) Acrylonitrile	5.168	53	16677	55.767	ug/l	98
16) Acetone	3.948	43	14044	61.185	ug/l #	89
17) Carbon Disulfide	4.192	76	27321	10.280	ug/l	97
18) Methyl Acetate	4.473	43	7374	11.247	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	31078	10.255	ug/l #	90
20) Methylene Chloride	4.716	84	18001	11.671	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	11193	9.548	ug/l #	82
22) Diisopropyl ether	6.112	45	31313	10.418	ug/l #	87
23) Vinyl Acetate	6.058	43	111494	56.223	ug/l #	90
24) 1,1-Dichloroethane	6.021	63	18490	9.619	ug/l	96
25) 2-Butanone	6.984	43	21199	59.094	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	16605	9.414	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	12892	9.340	ug/l	82
28) Bromochloromethane	7.332	49	7789	10.577	ug/l #	74
29) Tetrahydrofuran	7.350	42	14045	61.070	ug/l #	77
30) Chloroform	7.503	83	19962	9.315	ug/l	100
31) Cyclohexane	7.783	56	17497	10.417	ug/l #	81
32) 1,1,1-Trichloroethane	7.704	97	17063	9.146	ug/l	97
36) 1,1-Dichloropropene	7.917	75	15336	9.956	ug/l	97
37) Ethyl Acetate	7.076	43	10390	12.878	ug/l #	91
38) Carbon Tetrachloride	7.899	117	15248	9.260	ug/l	95
39) Methylcyclohexane	9.179	83	18749	9.449	ug/l #	86
40) Benzene	8.161	78	44784	9.741	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	4569m	10.342	ug/l	
42) 1,2-Dichloroethane	8.234	62	14585	10.828	ug/l	90
43) Isopropyl Acetate	8.277	43	17919	11.852	ug/l #	91
44) Trichloroethene	8.941	130	12035	9.303	ug/l	89
45) 1,2-Dichloropropane	9.216	63	10916	9.723	ug/l	97
46) Dibromomethane	9.307	93	8112	10.774	ug/l	95
47) Bromodichloromethane	9.490	83	15873	9.506	ug/l	95
48) Methyl methacrylate	9.295	41	7341	11.382	ug/l #	70
49) 1,4-Dioxane	9.301	88	2149	223.624	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	47235	60.341	ug/l #	87
52) Toluene	10.246	92	28855	9.547	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	17473	10.139	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	19349	10.045	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	11021	10.369	ug/l	96
56) Ethyl methacrylate	10.508	69	13717	10.395	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	18034	10.510	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	39211	69.452	ug/l	90
59) 2-Hexanone	10.831	43	32421	59.911	ug/l	85
60) Dibromochloromethane	10.984	129	11884	9.601	ug/l	98
61) 1,2-Dibromoethane	11.087	107	10918	10.489	ug/l	100
64) Tetrachloroethene	10.715	164	10719	9.863	ug/l	98
65) Chlorobenzene	11.514	112	31937	9.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	11093	8.890	ug/l	92
67) Ethyl Benzene	11.593	91	52998	9.278	ug/l	100
68) m/p-Xylenes	11.703	106	41867	18.412	ug/l	92
69) o-Xylene	12.026	106	20213	9.177	ug/l	93
70) Styrene	12.044	104	33246	9.083	ug/l	95
71) Bromoform	12.209	173	7507	9.885	ug/l #	96
73) Isopropylbenzene	12.331	105	50838	9.144	ug/l	100
74) N-amyl acetate	12.142	43	14001	11.113	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	13222	10.969	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	10318m	12.166	ug/l	
77) Bromobenzene	12.611	156	13200	9.619	ug/l	95
78) n-propylbenzene	12.672	91	62405	9.463	ug/l	98
79) 2-Chlorotoluene	12.758	91	34785	9.372	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	42310	9.271	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	4081	10.687	ug/l	90
82) 4-Chlorotoluene	12.855	91	36997	9.665	ug/l	97
83) tert-Butylbenzene	13.075	119	36623	8.996	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	42390	9.375	ug/l	97
85) sec-Butylbenzene	13.251	105	55556	9.165	ug/l	100
86) p-Isopropyltoluene	13.367	119	45009	8.931	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	25344	9.394	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	25754	9.647	ug/l	96
89) n-Butylbenzene	13.697	91	42903	9.348	ug/l	99
90) Hexachloroethane	13.959	117	8248	8.753	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	23288	9.690	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2127	12.283	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	13427	9.456	ug/l	97
94) Hexachlorobutadiene	15.111	225	6503	9.119	ug/l	99
95) Naphthalene	15.233	128	31193	10.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	12011	9.634	ug/l	99

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

