

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040822\
 Data File : VY008256.D
 Acq On : 08 Apr 2022 12:58
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/11/2022
 Supervised By :Semsettin Yesilyurt 04/11/2022

Quant Time: Apr 08 13:24:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 12:53:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	148975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	226957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130155	90.204	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.400%#			
35) Dibromofluoromethane	7.716	113	147260	99.781	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 199.560%#			
50) Toluene-d8	10.179	98	521504	95.221	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 190.440%#			
62) 4-Bromofluorobenzene	12.483	95	183479	94.598	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 189.200%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	112742	88.745	ug/l	99
3) Chloromethane	2.113	50	138464	88.178	ug/l	95
4) Vinyl Chloride	2.253	62	198091	94.672	ug/l	99
5) Bromomethane	2.643	94	161062	92.961	ug/l	97
6) Chloroethane	2.790	64	137654	98.757	ug/l	97
7) Trichlorofluoromethane	3.119	101	244035	92.334	ug/l	97
8) Diethyl Ether	3.527	74	82535	95.475	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.899	101	160310	97.176	ug/l	92
10) Methyl Iodide	4.088	142	194421	115.205	ug/l	89
11) Tert butyl alcohol	4.954	59	61619	415.531	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	143463	94.362	ug/l #	80
13) Acrolein	3.729	56	67952	530.204	ug/l	98
14) Allyl chloride	4.478	41	181541	90.782	ug/l #	89
15) Acrylonitrile	5.161	53	187034	451.699	ug/l	97
16) Acetone	3.942	43	147277	447.982	ug/l #	82
17) Carbon Disulfide	4.192	76	367889	87.013	ug/l	100
18) Methyl Acetate	4.478	43	77173	68.954	ug/l #	78
19) Methyl tert-butyl Ether	5.216	73	412151	94.085	ug/l	94
20) Methylene Chloride	4.716	84	166800	84.428	ug/l #	78
21) trans-1,2-Dichloroethene	5.210	96	167027	94.317	ug/l #	78
22) Diisopropyl ether	6.118	45	413383	94.723	ug/l #	87
23) Vinyl Acetate	6.057	43	1322481	492.490	ug/l #	83
24) 1,1-Dichloroethane	6.015	63	274371	95.379	ug/l	97
25) 2-Butanone	6.984	43	221449	442.292	ug/l #	72
26) 2,2-Dichloropropane	6.978	77	266916	98.183	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	199893	96.594	ug/l	80
28) Bromochloromethane	7.332	49	112650	111.095	ug/l #	61
29) Tetrahydrofuran	7.344	42	141461	433.632	ug/l #	69
30) Chloroform	7.502	83	305606	97.610	ug/l	98
31) Cyclohexane	7.783	56	225844	84.150	ug/l #	81
32) 1,1,1-Trichloroethane	7.697	97	282785	98.525	ug/l	93
36) 1,1-Dichloropropene	7.917	75	226582	98.167	ug/l	95
37) Ethyl Acetate	7.069	43	99519	91.885	ug/l #	89
38) Carbon Tetrachloride	7.899	117	258909	103.027	ug/l	99
39) Methylcyclohexane	9.185	83	295319	95.342	ug/l #	81
40) Benzene	8.161	78	655067	98.585	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	54160m	97.505	ug/l	
42) 1,2-Dichloroethane	8.234	62	182555	97.448	ug/l	89
43) Isopropyl Acetate	8.270	43	194151	91.687	ug/l #	83
44) Trichloroethene	8.941	130	196568	102.240	ug/l	99
45) 1,2-Dichloropropane	9.215	63	155759	98.871	ug/l	96
46) Dibromomethane	9.307	93	103399	99.922	ug/l	98
47) Bromodichloromethane	9.496	83	240654	101.704	ug/l	100
48) Methyl methacrylate	9.295	41	83174	89.614	ug/l #	72
49) 1,4-Dioxane	9.295	88	26521	1943.717	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	488672	457.849	ug/l #	81
52) Toluene	10.246	92	442023	101.611	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	243872	100.920	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	279119	101.870	ug/l #	80
55) 1,1,2-Trichloroethane	10.648	97	146945	102.521	ug/l	97
56) Ethyl methacrylate	10.508	69	180230	97.807	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	232049	99.086	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	342042	442.576	ug/l #	86
59) 2-Hexanone	10.831	43	339034	456.169	ug/l	77
60) Dibromochloromethane	10.983	129	184089	105.932	ug/l	99
61) 1,2-Dibromoethane	11.087	107	145442	102.364	ug/l	99
64) Tetrachloroethene	10.721	164	167863	98.931	ug/l	99
65) Chlorobenzene	11.514	112	499039	100.109	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	195082	105.703	ug/l	98
67) Ethyl Benzene	11.593	91	861061	98.901	ug/l	95
68) m/p-Xylenes	11.703	106	694976	201.059	ug/l	88
69) o-Xylene	12.032	106	336462	101.333	ug/l	87
70) Styrene	12.044	104	559035	102.872	ug/l	93
71) Bromoform	12.209	173	119538	107.936	ug/l #	99
73) Isopropylbenzene	12.331	105	882021	95.136	ug/l	98
74) N-amyl acetate	12.142	43	165768	81.834	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.581	83	163057	89.943	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	100980m	72.633	ug/l	
77) Bromobenzene	12.611	156	216535	101.394	ug/l	83
78) n-propylbenzene	12.672	91	1011085	92.319	ug/l	94
79) 2-Chlorotoluene	12.757	91	556195	91.663	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	710158	93.471	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	54523	89.324	ug/l #	79
82) 4-Chlorotoluene	12.855	91	565873	90.850	ug/l	91
83) tert-Butylbenzene	13.074	119	653473	96.666	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	700091	94.316	ug/l	95
85) sec-Butylbenzene	13.257	105	939882	93.858	ug/l	96
86) p-Isopropyltoluene	13.373	119	812018	97.450	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	427845	100.744	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	415526	98.205	ug/l	97
89) n-Butylbenzene	13.696	91	703366	91.769	ug/l	97
90) Hexachloroethane	13.965	117	153355	95.456	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	372350	99.676	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24199	84.633	ug/l	63
93) 1,2,4-Trichlorobenzene	15.007	180	227707	101.880	ug/l	99
94) Hexachlorobutadiene	15.117	225	119756	101.250	ug/l	98
95) Naphthalene	15.239	128	474420	96.923	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	198014	102.386	ug/l	99

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

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