

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008440.D
 Acq On : 21 Apr 2022 13:43
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Apr 21 14:10:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 13:56:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	118043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	194302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	204399	168.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 337.660%#			
35) Dibromofluoromethane	7.722	113	206585	168.841	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 337.680%#			
50) Toluene-d8	10.179	98	795354	187.515	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 375.040%#			
62) 4-Bromofluorobenzene	12.483	95	288518	182.171	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 364.340%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	178442	174.729	ug/l	100
3) Chloromethane	2.113	50	219866	158.679	ug/l	95
4) Vinyl Chloride	2.253	62	292685	159.995	ug/l	98
5) Bromomethane	2.637	94	271619	164.055	ug/l	97
6) Chloroethane	2.790	64	197798	156.663	ug/l	98
7) Trichlorofluoromethane	3.125	101	332964	159.306	ug/l	95
8) Diethyl Ether	3.528	74	111014	146.979	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.899	101	202506	152.340	ug/l	94
10) Methyl Iodide	4.095	142	269812	196.641	ug/l	90
11) Tert butyl alcohol	4.954	59	96026	762.682	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	190338	157.094	ug/l	80
13) Acrolein	3.729	56	99682	988.345	ug/l	96
14) Allyl chloride	4.479	41	254665	161.882	ug/l #	90
15) Acrylonitrile	5.161	53	270702	728.397	ug/l	97
16) Acetone	3.948	43	202469	709.788	ug/l #	85
17) Carbon Disulfide	4.192	76	595728	180.378	ug/l	100
18) Methyl Acetate	4.479	43	115300	141.507	ug/l #	79
19) Methyl tert-butyl Ether	5.222	73	581962	154.518	ug/l	92
20) Methylene Chloride	4.716	84	229228	119.586	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	235796	161.859	ug/l #	82
22) Diisopropyl ether	6.119	45	582795	156.022	ug/l #	93
23) Vinyl Acetate	6.064	43	1984118	805.096	ug/l #	83
24) 1,1-Dichloroethane	6.021	63	374785	156.894	ug/l	98
25) 2-Butanone	6.990	43	328088	735.931	ug/l #	73
26) 2,2-Dichloropropane	6.984	77	354204	161.584	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	266983	155.648	ug/l	81
28) Bromochloromethane	7.338	49	144075	157.430	ug/l #	68
29) Tetrahydrofuran	7.344	42	216265	756.673	ug/l #	72
30) Chloroform	7.509	83	403444	151.484	ug/l	100
31) Cyclohexane	7.783	56	326485	156.409	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	367385	158.456	ug/l	95
36) 1,1-Dichloropropene	7.917	75	315242	165.379	ug/l	96
37) Ethyl Acetate	7.076	43	153202	153.453	ug/l #	90
38) Carbon Tetrachloride	7.899	117	338880	166.318	ug/l	98
39) Methylcyclohexane	9.185	83	425094	173.126	ug/l #	84
40) Benzene	8.161	78	911404	160.198	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	72581m	132.764	ug/l	
42) 1,2-Dichloroethane	8.240	62	254945	152.952	ug/l	90
43) Isopropyl Acetate	8.271	43	291892	156.027	ug/l #	85
44) Trichloroethene	8.941	130	256134	160.009	ug/l	99
45) 1,2-Dichloropropane	9.216	63	214437	154.357	ug/l	95
46) Dibromomethane	9.307	93	145471	156.133	ug/l	95
47) Bromodichloromethane	9.496	83	321422	155.557	ug/l	98
48) Methyl methacrylate	9.295	41	129728	162.548	ug/l #	77
49) 1,4-Dioxane	9.295	88	35179	2958.346	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	757036	781.529	ug/l #	81
52) Toluene	10.246	92	645420	172.565	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	350253	164.246	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	383210	160.766	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	197424	150.105	ug/l	96
56) Ethyl methacrylate	10.508	69	274069	167.837	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	320323	150.861	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	737913	1056.250	ug/l #	88
59) 2-Hexanone	10.831	43	531328	793.466	ug/l	78
60) Dibromochloromethane	10.984	129	243319	158.866	ug/l	99
61) 1,2-Dibromoethane	11.087	107	198298	153.949	ug/l	99
64) Tetrachloroethene	10.721	164	218468	157.757	ug/l	99
65) Chlorobenzene	11.520	112	678472	158.435	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	269506	169.491	ug/l	98
67) Ethyl Benzene	11.593	91	1238121	170.088	ug/l	95
68) m/p-Xylenes	11.703	106	1015297	350.381	ug/l	88
69) o-Xylene	12.032	106	479944	170.993	ug/l	87
70) Styrene	12.044	104	820761	175.978	ug/l	92
71) Bromoform	12.209	173	170183	175.855	ug/l #	100
73) Isopropylbenzene	12.331	105	1239455	154.204	ug/l	98
74) N-amyl acetate	12.142	43	255339	140.183	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.581	83	238930	137.106	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	185054m	150.934	ug/l	
77) Bromobenzene	12.611	156	294340	148.358	ug/l	88
78) n-propylbenzene	12.672	91	1438614	150.898	ug/l	96
79) 2-Chlorotoluene	12.758	91	795026	148.159	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	1005969	152.475	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	87469	158.441	ug/l #	78
82) 4-Chlorotoluene	12.855	91	806243	145.687	ug/l	92
83) tert-Butylbenzene	13.075	119	898354	152.644	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	993570	151.990	ug/l	95
85) sec-Butylbenzene	13.251	105	1316389	150.217	ug/l	97
86) p-Isopropyltoluene	13.367	119	1132247	155.398	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	606922	155.599	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	585052	151.590	ug/l	97
89) n-Butylbenzene	13.696	91	987682	148.855	ug/l	97
90) Hexachloroethane	13.965	117	202016	148.291	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	525571	151.273	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	35185	140.546	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	273791	133.374	ug/l	99
94) Hexachlorobutadiene	15.111	225	135378	131.308	ug/l	99
95) Naphthalene	15.239	128	611019	136.987	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	235604	130.718	ug/l	99

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

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