

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030821\
 Data File : VY004065.D
 Acq On : 08 Mar 2021 12:14
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/9/2021 3:03:09 PM

Quant Time: Mar 08 12:22:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 11:57:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	287858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	459857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	406716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	200896	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	427431	160.21	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 320.42%#			
35) Dibromofluoromethane	7.728	113	394643	140.53	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 281.06%#			
50) Toluene-d8	10.185	98	1523537	137.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 274.54%#			
62) 4-Bromofluorobenzene	12.483	95	550373	147.13	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 294.26%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	279290	123.64	ug/l	99
3) Chloromethane	2.119	50	393627	147.07	ug/l	99
4) Vinyl Chloride	2.259	62	470721	151.88	ug/l	100
5) Bromomethane	2.631	94	297577	138.39	ug/l	96
6) Chloroethane	2.790	64	290591	147.50	ug/l	100
7) Trichlorofluoromethane	3.131	101	641478	137.23	ug/l	99
8) Diethyl Ether	3.540	74	206838	144.40	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.911	101	364095	142.36	ug/l	97
10) Methyl Iodide	4.107	142	417001	140.96	ug/l	100
11) Tert butyl alcohol	4.984	59	168489	721.58	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	349458	140.29	ug/l	98
13) Acrolein	3.741	56	196454	844.78	ug/l	99
14) Allyl chloride	4.497	41	605028	167.52	ug/l	93
15) Acrylonitrile	5.180	53	518004	738.94	ug/l	98
16) Acetone	3.960	43	510724	898.32	ug/l	93
17) Carbon Disulfide	4.210	76	1004765	136.43	ug/l	98
18) Methyl Acetate	4.491	43	238559	160.38	ug/l	95
19) Methyl tert-butyl Ether	5.234	73	1043282	149.85	ug/l	99
20) Methylene Chloride	4.734	84	387595	117.07	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	405791	137.73	ug/l	99
22) Diisopropyl ether	6.137	45	1318469	155.78	ug/l	97
23) Vinyl Acetate	6.076	43	4351339	802.39	ug/l	98
24) 1,1-Dichloroethane	6.039	63	713278	143.19	ug/l	99
25) 2-Butanone	7.002	43	713301	809.32	ug/l	95
26) 2,2-Dichloropropane	6.996	77	679828	153.23	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	464215	140.89	ug/l	96
28) Bromochloromethane	7.344	49	314197	158.74	ug/l	96
29) Tetrahydrofuran	7.362	42	455981	797.81	ug/l	97
30) Chloroform	7.521	83	736835	144.01	ug/l	100
31) Cyclohexane	7.795	56	658193	143.70	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	687053	145.86	ug/l	100
36) 1,1-Dichloropropene	7.929	75	574445	141.35	ug/l	99
37) Ethyl Acetate	7.088	43	308175	150.24	ug/l	98
38) Carbon Tetrachloride	7.911	117	621099	139.70	ug/l	98
39) Methylcyclohexane	9.191	83	738627	134.08	ug/l	95
40) Benzene	8.173	78	1633788	139.42	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	188066m	148.99	ug/l	
42) 1,2-Dichloroethane	8.246	62	497558	148.66	ug/l	98
43) Isopropyl Acetate	8.283	43	619927	157.45	ug/l	99
44) Trichloroethene	8.947	130	469946	127.90	ug/l	98
45) 1,2-Dichloropropane	9.222	63	411741	138.51	ug/l	99
46) Dibromomethane	9.313	93	232048	135.51	ug/l	95
47) Bromodichloromethane	9.502	83	589634	141.53	ug/l	99
48) Methyl methacrylate	9.301	41	299788	159.59	ug/l	95
49) 1,4-Dioxane	9.307	88	58908	2678.80	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	1564358	750.54	ug/l	98
52) Toluene	10.252	92	1071247	133.66	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	622134	142.99	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	693394	140.16	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	322580	131.48	ug/l	99
56) Ethyl methacrylate	10.514	69	460703	145.23	ug/l	95
57) 1,3-Dichloropropane	10.794	76	557988	139.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	905400	639.29	ug/l	98
59) 2-Hexanone	10.837	43	1085924	778.29	ug/l	100
60) Dibromochloromethane	10.989	129	419943	136.31	ug/l	99
61) 1,2-Dibromoethane	11.093	107	312223	132.51	ug/l	99
64) Tetrachloroethene	10.721	164	465347	120.02	ug/l	94
65) Chlorobenzene	11.520	112	1125070	132.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	424624	133.59	ug/l	98
67) Ethyl Benzene	11.599	91	2099105	143.03	ug/l	98
68) m/p-Xylenes	11.709	106	1602453	277.69	ug/l	98
69) o-Xylene	12.032	106	756361	136.95	ug/l	98
70) Styrene	12.050	104	1322261	141.13	ug/l	99
71) Bromoform	12.215	173	255903	126.86	ug/l #	100
73) Isopropylbenzene	12.331	105	2070940	144.79	ug/l	99
74) N-amyl acetate	12.148	43	597138	171.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	348884	138.67	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	273075m	139.32	ug/l	
77) Bromobenzene	12.611	156	459882	128.75	ug/l	95
78) n-propylbenzene	12.678	91	2408454	146.02	ug/l	99
79) 2-Chlorotoluene	12.764	91	1356589	148.22	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	1742411	149.28	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	141909	142.28	ug/l	98
82) 4-Chlorotoluene	12.855	91	1451032	151.52	ug/l	100
83) tert-Butylbenzene	13.081	119	1481003	143.82	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1744406	147.82	ug/l	99
85) sec-Butylbenzene	13.257	105	2045689	148.18	ug/l	99
86) p-Isopropyltoluene	13.373	119	1922319	148.34	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	902604	137.00	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	890986	133.74	ug/l	98
89) n-Butylbenzene	13.696	91	1795044	148.67	ug/l	99
90) Hexachloroethane	13.965	117	348635	146.50	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	800472	133.77	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	63811	145.13	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	546576	127.15	ug/l	98
94) Hexachlorobutadiene	15.117	225	292240	113.92	ug/l	99
95) Naphthalene	15.239	128	1099219	139.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	465446	131.46	ug/l	99

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

