

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032921\
 Data File : VY004214.D
 Acq On : 29 Mar 2021 16:46
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:22:47 PM

Quant Time: Mar 30 06:13:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:12:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	188519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	290958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	260786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123764	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	9775	5.33	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.66%#		
35) Dibromofluoromethane	7.728	113	8779	5.40	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.80%#		
50) Toluene-d8	10.185	98	33519	5.29	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.58%#		
62) 4-Bromofluorobenzene	12.483	95	11462	4.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.92%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	9171	5.81	ug/l	87
3) Chloromethane	2.119	50	12959	6.17	ug/l	99
4) Vinyl Chloride	2.253	62	13704	5.87	ug/l	100
5) Bromomethane	2.656	94	7558	5.19	ug/l	94
6) Chloroethane	2.802	64	8889	6.22	ug/l	96
7) Trichlorofluoromethane	3.131	101	17861	5.80	ug/l	99
8) Diethyl Ether	3.540	74	5915	6.03	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	9572	5.60	ug/l	98
10) Methyl Iodide	4.101	142	11134	6.27	ug/l	98
11) Tert butyl alcohol	4.984	59	4018m	24.42	ug/l	
12) 1,1-Dichloroethene	3.875	96	10055	5.98	ug/l	89
13) Acrolein	3.735	56	4393	28.53	ug/l	100
14) Allyl chloride	4.485	41	14982	5.45	ug/l	99
15) Acrylonitrile	5.180	53	12755	26.37	ug/l	97
16) Acetone	3.960	43	10953	25.49	ug/l #	86
17) Carbon Disulfide	4.204	76	25398	5.19	ug/l	100
18) Methyl Acetate	4.491	43	7003	6.22	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	27301	5.73	ug/l	100
20) Methylene Chloride	4.728	84	14524	6.68	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	10625	5.63	ug/l	88
22) Diisopropyl ether	6.131	45	31649	5.44	ug/l	94
23) Vinyl Acetate	6.076	43	102496	26.64	ug/l	98
24) 1,1-Dichloroethane	6.033	63	17809	5.51	ug/l	98
25) 2-Butanone	6.996	43	16425	25.54	ug/l	95
26) 2,2-Dichloropropane	6.996	77	16674	5.43	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	12062	5.64	ug/l	97
28) Bromochloromethane	7.344	49	7032	5.10	ug/l	96
29) Tetrahydrofuran	7.362	42	12086	28.52	ug/l	98
30) Chloroform	7.515	83	19135	5.70	ug/l	96
31) Cyclohexane	7.795	56	20280	6.20	ug/l #	89
32) 1,1,1-Trichloroethane	7.710	97	17707	5.70	ug/l	95
36) 1,1-Dichloropropene	7.923	75	14999	5.80	ug/l	98
37) Ethyl Acetate	7.082	43	8618	6.16	ug/l	99
38) Carbon Tetrachloride	7.911	117	10611	3.97	ug/l	94
39) Methylcyclohexane	9.185	83	18314	5.50	ug/l	97
40) Benzene	8.167	78	42144	5.78	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	4950m	5.80	ug/l	
42) 1,2-Dichloroethane	8.246	62	12710	5.69	ug/l	99
43) Isopropyl Acetate	8.283	43	15225	5.45	ug/l	96
44) Trichloroethene	8.941	130	14199	6.63	ug/l	100
45) 1,2-Dichloropropane	9.222	63	9981	5.50	ug/l	95
46) Dibromomethane	9.307	93	5938	5.70	ug/l	98
47) Bromodichloromethane	9.502	83	13902	5.38	ug/l	97
48) Methyl methacrylate	9.295	41	6956	5.27	ug/l	98
49) 1,4-Dioxane	9.301	88	4123	317.58	ug/l #	85
51) 4-Methyl-2-Pentanone	10.075	43	38448	27.24	ug/l	98
52) Toluene	10.246	92	26522	5.62	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	14658	5.38	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	16663	5.45	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	8065	5.55	ug/l	98
56) Ethyl methacrylate	10.514	69	10276	5.07	ug/l	98
57) 1,3-Dichloropropane	10.794	76	13765	5.52	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	26512	29.55	ug/l	100
59) 2-Hexanone	10.837	43	26721	27.09	ug/l	96
60) Dibromochloromethane	10.990	129	8984	4.95	ug/l	96
61) 1,2-Dibromoethane	11.093	107	8120	5.71	ug/l	98
64) Tetrachloroethene	10.721	164	15335	6.82	ug/l	98
65) Chlorobenzene	11.520	112	28458	5.65	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	9794	5.24	ug/l	99
67) Ethyl Benzene	11.593	91	50902	5.50	ug/l	97
68) m/p-Xylenes	11.703	106	39237	11.10	ug/l	97
69) o-Xylene	12.032	106	18345	5.51	ug/l	96
70) Styrene	12.044	104	29480	5.19	ug/l	98
71) Bromoform	12.215	173	5314	4.79	ug/l #	98
73) Isopropylbenzene	12.331	105	48747	5.59	ug/l	99
74) N-amyl acetate	12.148	43	13519	5.43	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	9166	6.03	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	5938m	5.03	ug/l	
77) Bromobenzene	12.611	156	11478	5.69	ug/l	100
78) n-propylbenzene	12.672	91	56142	5.48	ug/l	99
79) 2-Chlorotoluene	12.758	91	30625	5.34	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	39332	5.35	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	3089	5.14	ug/l	98
82) 4-Chlorotoluene	12.855	91	33193	5.48	ug/l	98
83) tert-Butylbenzene	13.075	119	33260	5.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	40187	5.47	ug/l	100
85) sec-Butylbenzene	13.251	105	46871	5.39	ug/l	99
86) p-Isopropyltoluene	13.367	119	43339	5.36	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	21907	5.67	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	20977	5.43	ug/l	90
89) n-Butylbenzene	13.696	91	39411	5.15	ug/l	99
90) Hexachloroethane	13.965	117	1570	1.20	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	19761	5.76	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1829	6.43	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	13752	5.86	ug/l	98
94) Hexachlorobutadiene	15.111	225	7107	5.45	ug/l	98
95) Naphthalene	15.239	128	27835	5.93	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	12910	6.49	ug/l	96

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

