

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032921\
 Data File : VY004215.D
 Acq On : 29 Mar 2021 17:09
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:22:49 PM

Quant Time: Mar 30 06:14:17 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	196306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	306947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	271447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130024	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	19787	10.35	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.70%#
35) Dibromofluoromethane	7.728	113	17560	10.25	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.50%#
50) Toluene-d8	10.185	98	67356	10.08	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	20.16%#
62) 4-Bromofluorobenzene	12.483	95	22748	9.34	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	18.68%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	16813	10.23	ug/l	97
3) Chloromethane	2.119	50	22138	10.12	ug/l	98
4) Vinyl Chloride	2.260	62	25626	10.54	ug/l	93
5) Bromomethane	2.656	94	13661	9.02	ug/l	96
6) Chloroethane	2.802	64	15853	10.66	ug/l	96
7) Trichlorofluoromethane	3.131	101	33096	10.32	ug/l	98
8) Diethyl Ether	3.540	74	10320	10.11	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	17802	10.00	ug/l	97
10) Methyl Iodide	4.101	142	19209	10.39	ug/l	99
11) Tert butyl alcohol	4.979	59	7362	42.97	ug/l	99
12) 1,1-Dichloroethene	3.881	96	16616	9.50	ug/l	97
13) Acrolein	3.741	56	8856	55.23	ug/l	98
14) Allyl chloride	4.491	41	26783	9.35	ug/l	99
15) Acrylonitrile	5.180	53	24888	49.42	ug/l	98
16) Acetone	3.960	43	19596	43.79	ug/l	97
17) Carbon Disulfide	4.204	76	42020	8.25	ug/l	98
18) Methyl Acetate	4.485	43	11743	10.02	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	50829	10.24	ug/l	99
20) Methylene Chloride	4.729	84	23500	10.37	ug/l	94
21) trans-1,2-Dichloroethene	5.229	96	19332	9.84	ug/l	98
22) Diisopropyl ether	6.131	45	59211	9.77	ug/l	96
23) Vinyl Acetate	6.070	43	198547	49.57	ug/l	99
24) 1,1-Dichloroethane	6.033	63	31854	9.46	ug/l	97
25) 2-Butanone	7.003	43	31424	46.92	ug/l	96
26) 2,2-Dichloropropane	6.996	77	31146	9.73	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	21587	9.69	ug/l	99
28) Bromochloromethane	7.344	49	15190	10.57	ug/l	98
29) Tetrahydrofuran	7.356	42	21952	49.75	ug/l	99
30) Chloroform	7.515	83	34866	9.97	ug/l	97
31) Cyclohexane	7.789	56	33494	9.83	ug/l #	92
32) 1,1,1-Trichloroethane	7.716	97	31208	9.64	ug/l	98
36) 1,1-Dichloropropene	7.923	75	26827	9.83	ug/l	98
37) Ethyl Acetate	7.088	43	15492	10.50	ug/l	100
38) Carbon Tetrachloride	7.911	117	21849	7.75	ug/l	99
39) Methylcyclohexane	9.185	83	32455	9.25	ug/l	99
40) Benzene	8.167	78	76004	9.89	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	9213m	10.24	ug/l	
42) 1,2-Dichloroethane	8.246	62	24054	10.21	ug/l	99
43) Isopropyl Acetate	8.283	43	30196	10.25	ug/l	99
44) Trichloroethene	8.947	130	25216	11.16	ug/l	98
45) 1,2-Dichloropropane	9.222	63	19511	10.20	ug/l	97
46) Dibromomethane	9.313	93	11147	10.14	ug/l	98
47) Bromodichloromethane	9.502	83	26234	9.63	ug/l	100
48) Methyl methacrylate	9.295	41	13127	9.42	ug/l	96
49) 1,4-Dioxane	9.301	88	4218	307.98	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	74666	50.15	ug/l	99
52) Toluene	10.246	92	48531	9.75	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	28105	9.78	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	31046	9.63	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	15377	10.03	ug/l	99
56) Ethyl methacrylate	10.514	69	20461	9.57	ug/l	97
57) 1,3-Dichloropropane	10.795	76	26499	10.07	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	49939	52.75	ug/l	100
59) 2-Hexanone	10.837	43	52124	50.09	ug/l	99
60) Dibromochloromethane	10.990	129	17992	9.40	ug/l	97
61) 1,2-Dibromoethane	11.093	107	14794	9.86	ug/l	99
64) Tetrachloroethene	10.721	164	27162	11.60	ug/l	97
65) Chlorobenzene	11.520	112	53296	10.17	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	18550	9.53	ug/l	98
67) Ethyl Benzene	11.593	91	94214	9.77	ug/l	100
68) m/p-Xylenes	11.703	106	72283	19.65	ug/l	99
69) o-Xylene	12.032	106	33835	9.77	ug/l	99
70) Styrene	12.044	104	55205	9.34	ug/l	99
71) Bromoform	12.209	173	10144	8.79	ug/l #	100
73) Isopropylbenzene	12.331	105	92561	10.11	ug/l	100
74) N-amyl acetate	12.142	43	26022	9.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	16899	10.58	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	10859m	8.75	ug/l	
77) Bromobenzene	12.611	156	22060	10.42	ug/l	98
78) n-propylbenzene	12.672	91	106307	9.88	ug/l	100
79) 2-Chlorotoluene	12.758	91	59075	9.81	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	74503	9.65	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	6034	9.56	ug/l	98
82) 4-Chlorotoluene	12.855	91	61365	9.65	ug/l	98
83) tert-Butylbenzene	13.075	119	65846	9.94	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	75201	9.74	ug/l	99
85) sec-Butylbenzene	13.258	105	90241	9.87	ug/l	99
86) p-Isopropyltoluene	13.373	119	82386	9.70	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	40062	9.87	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	39966	9.85	ug/l	97
89) n-Butylbenzene	13.697	91	76709	9.54	ug/l	98
90) Hexachloroethane	13.965	117	4220	3.08	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	35778	9.92	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3263	10.92	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	25908	10.51	ug/l	100
94) Hexachlorobutadiene	15.111	225	13763	10.04	ug/l	99
95) Naphthalene	15.239	128	54185	10.98	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	24065	11.52	ug/l	97

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

