

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012821\
 Data File : VY003951.D
 Acq On : 28 Jan 2021 12:00
 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

SAM
 2/1/2021 3:35:13 PM

Quant Time: Jan 28 18:03:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 28 18:02:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	100348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	148285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	136440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69707	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	5578	5.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.12%#		
35) Dibromofluoromethane	7.728	113	4415	5.09	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.18%#		
50) Toluene-d8	10.185	98	18108	5.32	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.64%#		
62) 4-Bromofluorobenzene	12.483	95	6565	5.29	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.58%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	4787	4.81	ug/l	98
3) Chloromethane	2.119	50	6983	5.57	ug/l	98
4) Vinyl Chloride	2.259	62	6952	5.32	ug/l	100
5) Bromomethane	2.668	94	5280	5.67	ug/l	98
6) Chloroethane	2.808	64	4360	5.33	ug/l	94
7) Trichlorofluoromethane	3.143	101	9374	5.18	ug/l	95
8) Diethyl Ether	3.540	74	3134	5.53	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.905	101	5008	5.36	ug/l	96
10) Methyl Iodide	4.107	142	4885	4.23	ug/l	98
11) Tert butyl alcohol	4.948	59	4248m	37.51	ug/l	
12) 1,1-Dichloroethene	3.887	96	4693	5.18	ug/l	93
13) Acrolein	3.747	56	2455	24.13	ug/l	98
14) Allyl chloride	4.503	41	8259	4.95	ug/l	93
15) Acrylonitrile	5.192	53	6924	24.03	ug/l	97
16) Acetone	3.966	43	6764	24.97	ug/l	92
17) Carbon Disulfide	4.204	76	15438	5.19	ug/l	98
18) Methyl Acetate	4.497	43	3164	4.69	ug/l	97
19) Methyl tert-butyl Ether	5.247	73	13912	5.03	ug/l #	90
20) Methylene Chloride	4.741	84	7039	6.12	ug/l	92
21) trans-1,2-Dichloroethene	5.234	96	5419	5.20	ug/l #	82
22) Diisopropyl ether	6.143	45	16115	4.86	ug/l #	95
23) Vinyl Acetate	6.082	43	53180	23.52	ug/l #	95
24) 1,1-Dichloroethane	6.039	63	9218	5.01	ug/l	95
25) 2-Butanone	7.002	43	8559	22.18	ug/l #	88
26) 2,2-Dichloropropane	6.996	77	9139	5.21	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	6031	5.21	ug/l	95
28) Bromochloromethane	7.350	49	3779	4.77	ug/l #	89
29) Tetrahydrofuran	7.362	42	5588	22.72	ug/l	91
30) Chloroform	7.521	83	9862	5.10	ug/l	99
31) Cyclohexane	7.795	56	11135	6.01	ug/l #	90
32) 1,1,1-Trichloroethane	7.716	97	9266	5.20	ug/l	96
36) 1,1-Dichloropropene	7.923	75	8177	5.45	ug/l	93
37) Ethyl Acetate	7.088	43	3910	4.61	ug/l #	96
38) Carbon Tetrachloride	7.911	117	8509	5.25	ug/l #	88
39) Methylcyclohexane	9.191	83	8969	5.02	ug/l	95
40) Benzene	8.173	78	21279	5.13	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	2330m	3.53	ug/l	
42) 1,2-Dichloroethane	8.252	62	7386	5.17	ug/l	99
43) Isopropyl Acetate	8.283	43	7993	4.84	ug/l	99
44) Trichloroethene	8.947	130	5900	5.15	ug/l	95
45) 1,2-Dichloropropane	9.222	63	5313	5.18	ug/l #	86
46) Dibromomethane	9.313	93	2820	4.81	ug/l	95
47) Bromodichloromethane	9.502	83	7484	4.93	ug/l #	96
48) Methyl methacrylate	9.295	41	3798	4.71	ug/l	94
49) 1,4-Dioxane	9.301	88	514	78.99	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	18711	22.20	ug/l	98
52) Toluene	10.246	92	13162	5.03	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	7825	4.90	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	8826	4.98	ug/l	92
55) 1,1,2-Trichloroethane	10.654	97	3997	4.92	ug/l #	82
56) Ethyl methacrylate	10.514	69	5411	4.66	ug/l	95
57) 1,3-Dichloropropane	10.794	76	7130	4.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	12856	24.43	ug/l	99
59) 2-Hexanone	10.837	43	12637	21.39	ug/l	93
60) Dibromochloromethane	10.989	129	5206	4.91	ug/l	97
61) 1,2-Dibromoethane	11.093	107	4118	5.06	ug/l	96
64) Tetrachloroethene	10.721	164	6476	5.29	ug/l	98
65) Chlorobenzene	11.520	112	13955	5.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	5289	4.90	ug/l	94
67) Ethyl Benzene	11.599	91	25895	4.99	ug/l	96
68) m/p-Xylenes	11.709	106	19452	10.12	ug/l	99
69) o-Xylene	12.032	106	8834	4.94	ug/l	92
70) Styrene	12.044	104	14814	4.80	ug/l	98
71) Bromoform	12.209	173	3293	4.77	ug/l #	94
73) Isopropylbenzene	12.331	105	25231	5.06	ug/l	98
74) N-amyl acetate	12.142	43	6375	4.35	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	4208	4.65	ug/l	92
76) 1,2,3-Trichloropropane	12.636	75	3367m	3.83	ug/l	
77) Bromobenzene	12.611	156	6281	5.08	ug/l	95
78) n-propylbenzene	12.672	91	30432	5.13	ug/l	99
79) 2-Chlorotoluene	12.757	91	17390	5.12	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	21831	5.10	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	1710	4.65	ug/l	96
82) 4-Chlorotoluene	12.855	91	18640	5.18	ug/l	95
83) tert-Butylbenzene	13.074	119	18258	5.13	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	21495	5.01	ug/l	99
85) sec-Butylbenzene	13.251	105	25321	5.13	ug/l	98
86) p-Isopropyltoluene	13.373	119	23316	5.07	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	11917	5.11	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	11783	5.12	ug/l	91
89) n-Butylbenzene	13.696	91	22487	5.26	ug/l	99
90) Hexachloroethane	13.965	117	4457	5.29	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	10575	5.09	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	970	5.20	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	7561	5.26	ug/l	95
94) Hexachlorobutadiene	15.111	225	5004	5.42	ug/l	97
95) Naphthalene	15.233	128	12748	4.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	6255	5.05	ug/l	97

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

