

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
 Data File : VY003999.D
 Acq On : 11 Feb 2021 13:19
 Operator : SY/MD
 Sample : VY0211SBSD01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:36:01 PM

Quant Time: Feb 11 13:36:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	126247	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	194505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94526	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	71610	51.58	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.16%			
35) Dibromofluoromethane	7.722	113	55486	48.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.58%			
50) Toluene-d8	10.179	98	229902	51.51	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.02%			
62) 4-Bromofluorobenzene	12.477	95	79331	48.76	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.52%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29443	23.53	ug/l	97
3) Chloromethane	2.113	50	35330	22.42	ug/l	99
4) Vinyl Chloride	2.253	62	37976	23.11	ug/l	99
5) Bromomethane	2.643	94	26941	23.02	ug/l	93
6) Chloroethane	2.796	64	24383	23.67	ug/l	98
7) Trichlorofluoromethane	3.125	101	54658	24.00	ug/l	97
8) Diethyl Ether	3.540	74	15714	22.06	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	26126	22.23	ug/l	99
10) Methyl Iodide	4.094	142	30582	21.03	ug/l	99
11) Tert butyl alcohol	4.966	59	17292	121.99	ug/l	100
12) 1,1-Dichloroethene	3.875	96	25992	22.81	ug/l	97
13) Acrolein	3.735	56	13265	103.65	ug/l	95
14) Allyl chloride	4.484	41	48317	23.03	ug/l	95
15) Acrylonitrile	5.167	53	40977	113.02	ug/l	99
16) Acetone	3.954	43	42939	126.00	ug/l	98
17) Carbon Disulfide	4.198	76	84835	22.65	ug/l	96
18) Methyl Acetate	4.491	43	18460	21.73	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	76536	22.00	ug/l	97
20) Methylene Chloride	4.722	84	32182	22.24	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	29707	22.65	ug/l	89
22) Diisopropyl ether	6.118	45	93655	22.43	ug/l	96
23) Vinyl Acetate	6.063	43	316711	111.33	ug/l	100
24) 1,1-Dichloroethane	6.027	63	51180	22.12	ug/l	98
25) 2-Butanone	6.990	43	53625	110.44	ug/l	97
26) 2,2-Dichloropropane	6.990	77	48384	21.94	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	29891	20.54	ug/l	99
28) Bromochloromethane	7.332	49	19613	19.67	ug/l	90
29) Tetrahydrofuran	7.350	42	32630	105.44	ug/l	94
30) Chloroform	7.508	83	50333	20.69	ug/l	99
31) Cyclohexane	7.783	56	48823	20.94	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	49388	22.01	ug/l	99
36) 1,1-Dichloropropene	7.917	75	39815	20.24	ug/l	99
37) Ethyl Acetate	7.075	43	23179	20.83	ug/l	97
38) Carbon Tetrachloride	7.898	117	43970	20.69	ug/l	95
39) Methylcyclohexane	9.179	83	48247	20.58	ug/l	98
40) Benzene	8.161	78	114099	20.98	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	15614m	21.27	ug/l	
42) 1,2-Dichloroethane	8.240	62	39152	20.91	ug/l	98
43) Isopropyl Acetate	8.276	43	43722	20.20	ug/l	98
44) Trichloroethene	8.935	130	30528	20.32	ug/l	97
45) 1,2-Dichloropropane	9.215	63	27039	20.09	ug/l	98
46) Dibromomethane	9.301	93	15395	20.01	ug/l	95
47) Bromodichloromethane	9.496	83	40509	20.36	ug/l	99
48) Methyl methacrylate	9.288	41	21092	19.95	ug/l	97
49) 1,4-Dioxane	9.301	88	3564	435.68	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	113936	103.06	ug/l	96
52) Toluene	10.240	92	76650	22.33	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	42409	20.24	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	49164	21.16	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	21265	19.94	ug/l	98
56) Ethyl methacrylate	10.508	69	30135	19.80	ug/l	100
57) 1,3-Dichloropropane	10.788	76	37646	19.71	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	75032	108.71	ug/l	96
59) 2-Hexanone	10.831	43	81448	105.11	ug/l	98
60) Dibromochloromethane	10.983	129	27501	19.79	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20498	19.22	ug/l	99
64) Tetrachloroethene	10.715	164	34281	21.35	ug/l	97
65) Chlorobenzene	11.514	112	75094	20.69	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	28845	20.37	ug/l	99
67) Ethyl Benzene	11.587	91	140554	20.65	ug/l	97
68) m/p-Xylenes	11.697	106	105509	41.84	ug/l	99
69) o-Xylene	12.026	106	49652	21.16	ug/l	97
70) Styrene	12.038	104	84545	20.89	ug/l	100
71) Bromoform	12.203	173	18249	20.14	ug/l #	100
73) Isopropylbenzene	12.325	105	138807	20.52	ug/l	99
74) N-amyl acetate	12.142	43	40145	20.19	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	23523	19.17	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	18646m	19.58	ug/l	
77) Bromobenzene	12.605	156	33800	20.15	ug/l	96
78) n-propylbenzene	12.666	91	163120	20.26	ug/l	99
79) 2-Chlorotoluene	12.751	91	91136	19.77	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	119053	20.51	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	9798	19.66	ug/l	94
82) 4-Chlorotoluene	12.849	91	97612	20.02	ug/l	99
83) tert-Butylbenzene	13.068	119	100426	20.80	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	119220	20.48	ug/l	99
85) sec-Butylbenzene	13.251	105	136924	20.47	ug/l	99
86) p-Isopropyltoluene	13.367	119	130292	20.88	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	64717	20.48	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	65386	20.95	ug/l	100
89) n-Butylbenzene	13.690	91	122212	21.09	ug/l	100
90) Hexachloroethane	13.952	117	22628	19.81	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	58185	20.66	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4750	18.78	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	41196	21.14	ug/l	100
94) Hexachlorobutadiene	15.105	225	26916	21.49	ug/l	100
95) Naphthalene	15.233	128	73513	20.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.415	180	35857	21.36	ug/l	98

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

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