

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004379.D
 Acq On : 12 Apr 2021 12:25
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:09:35 PM

Quant Time: Apr 13 02:51:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 02:48:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	205673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	329280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	294055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137015	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	118999	51.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.58%
35) Dibromofluoromethane	7.728	113	97362	51.12	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.24%
50) Toluene-d8	10.185	98	416459	54.13	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.26%
62) 4-Bromofluorobenzene	12.483	95	138260	53.39	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.78%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	98932	50.26	ug/l	100
3) Chloromethane	2.119	50	135083	46.06	ug/l	100
4) Vinyl Chloride	2.259	62	144639	45.70	ug/l	100
5) Bromomethane	2.655	94	70070	46.71	ug/l	100
6) Chloroethane	2.802	64	89643	49.60	ug/l	100
7) Trichlorofluoromethane	3.137	101	185708	49.04	ug/l	100
8) Diethyl Ether	3.539	74	60178	48.24	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.911	101	103908	50.06	ug/l	100
10) Methyl Iodide	4.106	142	122501	49.58	ug/l	100
11) Tert butyl alcohol	4.978	59	50031	205.98	ug/l	100
12) 1,1-Dichloroethene	3.887	96	101335	49.24	ug/l	100
13) Acrolein	3.741	56	58264	220.92	ug/l	100
14) Allyl chloride	4.497	41	188582	48.47	ug/l	100
15) Acrylonitrile	5.179	53	156333	233.49	ug/l	100
16) Acetone	3.960	43	117407	196.87	ug/l	100
17) Carbon Disulfide	4.204	76	315541	48.92	ug/l	100
18) Methyl Acetate	4.491	43	72543	44.26	ug/l	100
19) Methyl tert-butyl Ether	5.240	73	293524	48.37	ug/l	100
20) Methylene Chloride	4.734	84	108302	47.34	ug/l	100
21) trans-1,2-Dichloroethene	5.234	96	115099	49.73	ug/l	100
22) Diisopropyl ether	6.137	45	406077	50.22	ug/l	100
23) Vinyl Acetate	6.076	43	1357049	245.18	ug/l	100
24) 1,1-Dichloroethane	6.033	63	209667	50.03	ug/l	100
25) 2-Butanone	7.002	43	206320	230.76	ug/l	100
26) 2,2-Dichloropropane	6.996	77	188924	49.51	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	127413	49.54	ug/l	100
28) Bromochloromethane	7.350	49	99599	54.78	ug/l	100
29) Tetrahydrofuran	7.362	42	145162	230.15	ug/l	100
30) Chloroform	7.520	83	204579	49.15	ug/l	100
31) Cyclohexane	7.795	56	204329	46.24	ug/l	100
32) 1,1,1-Trichloroethane	7.716	97	187460	49.62	ug/l	100
36) 1,1-Dichloropropene	7.929	75	167795	49.61	ug/l	100
37) Ethyl Acetate	7.088	43	98632	45.25	ug/l	100
38) Carbon Tetrachloride	7.911	117	150682	54.16	ug/l	100
39) Methylcyclohexane	9.191	83	210742	50.77	ug/l	100
40) Benzene	8.173	78	466581	49.15	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	67266m	46.26	ug/l	
42) 1,2-Dichloroethane	8.246	62	142162	47.66	ug/l	100
43) Isopropyl Acetate	8.283	43	194345	47.75	ug/l	100
44) Trichloroethene	8.947	130	128922	49.45	ug/l	100
45) 1,2-Dichloropropane	9.227	63	120757	49.95	ug/l	100
46) Dibromomethane	9.313	93	64009	48.26	ug/l	100
47) Bromodichloromethane	9.502	83	159395	49.74	ug/l	100
48) Methyl methacrylate	9.301	41	90627	48.41	ug/l	100
49) 1,4-Dioxane	9.307	88	14224	859.31	ug/l	100
51) 4-Methyl-2-Pentanone	10.075	43	490111	233.78	ug/l	100
52) Toluene	10.252	92	300868	49.36	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	172123	49.06	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	197454	49.75	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	87216	47.80	ug/l	100
56) Ethyl methacrylate	10.514	69	128805	50.28	ug/l	100
57) 1,3-Dichloropropane	10.794	76	156649	48.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	343227	269.49	ug/l	100
59) 2-Hexanone	10.837	43	331216	238.13	ug/l	100
60) Dibromochloromethane	10.989	129	106811	50.19	ug/l	100
61) 1,2-Dibromoethane	11.093	107	85205	48.23	ug/l	100
64) Tetrachloroethene	10.727	164	130076	48.94	ug/l	100
65) Chlorobenzene	11.520	112	301072	48.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	109138	49.89	ug/l	100
67) Ethyl Benzene	11.599	91	574203	50.37	ug/l	100
68) m/p-Xylenes	11.709	106	427967	100.90	ug/l	100
69) o-Xylene	12.032	106	200323	50.85	ug/l	100
70) Styrene	12.050	104	337076	52.25	ug/l	100
71) Bromoform	12.215	173	62591	49.13	ug/l #	100
73) Isopropylbenzene	12.331	105	550279	50.72	ug/l	100
74) N-amyl acetate	12.148	43	177394	48.58	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	97774	47.22	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	74481m	45.57	ug/l	
77) Bromobenzene	12.611	156	117742	47.67	ug/l	100
78) n-propylbenzene	12.672	91	653698	50.68	ug/l	100
79) 2-Chlorotoluene	12.757	91	352282	49.69	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	448083	50.32	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.385	75	39402	47.22	ug/l	100
82) 4-Chlorotoluene	12.855	91	370855	49.65	ug/l	100
83) tert-Butylbenzene	13.080	119	384324	50.54	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	446915	49.81	ug/l	100
85) sec-Butylbenzene	13.257	105	539079	50.83	ug/l	100
86) p-Isopropyltoluene	13.373	119	487974	50.81	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	225060	48.98	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	224696	48.81	ug/l	100
89) n-Butylbenzene	13.702	91	466203	51.02	ug/l	100
90) Hexachloroethane	13.964	117	65611	53.56	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	197784	48.69	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16451	42.48	ug/l	100
93) 1,2,4-Trichlorobenzene	15.013	180	128209	48.11	ug/l	100
94) Hexachlorobutadiene	15.117	225	70723	50.71	ug/l	100
95) Naphthalene	15.239	128	268318	46.74	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	110816	47.66	ug/l	100

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

