

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004380.D
 Acq On : 12 Apr 2021 12:48
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:09:36 PM

Quant Time: Apr 13 02:51:53 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	202192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	329983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	296566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143369	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	243250	107.68	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 215.36%#			
35) Dibromofluoromethane	7.728	113	180035	94.33	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 188.66%#			
50) Toluene-d8	10.185	98	830506	107.72	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 215.44%#			
62) 4-Bromofluorobenzene	12.483	95	281984	108.65	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 217.30%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	184164	95.17	ug/l	97
3) Chloromethane	2.119	50	258804	89.76	ug/l	99
4) Vinyl Chloride	2.259	62	263935	84.83	ug/l	100
5) Bromomethane	2.650	94	133995	90.86	ug/l	99
6) Chloroethane	2.796	64	171200	96.35	ug/l	98
7) Trichlorofluoromethane	3.131	101	349558	93.89	ug/l	100
8) Diethyl Ether	3.540	74	122327	99.74	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.911	101	193905	95.03	ug/l	100
10) Methyl Iodide	4.100	142	233270	96.04	ug/l	99
11) Tert butyl alcohol	4.984	59	113951	477.22	ug/l	99
12) 1,1-Dichloroethene	3.887	96	191368	94.60	ug/l	97
13) Acrolein	3.741	56	125499	484.05	ug/l	99
14) Allyl chloride	4.491	41	370748	96.92	ug/l	99
15) Acrylonitrile	5.180	53	342651	520.58	ug/l	99
16) Acetone	3.960	43	253279	432.02	ug/l	98
17) Carbon Disulfide	4.204	76	569137	89.76	ug/l	99
18) Methyl Acetate	4.491	43	162754	101.00	ug/l	100
19) Methyl tert-butyl Ether	5.240	73	608830	102.06	ug/l	99
20) Methylene Chloride	4.728	84	211240	93.92	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	221298	97.26	ug/l	98
22) Diisopropyl ether	6.137	45	827187	104.07	ug/l	99
23) Vinyl Acetate	6.076	43	2875329	528.43	ug/l	100
24) 1,1-Dichloroethane	6.033	63	402667	97.74	ug/l	100
25) 2-Butanone	7.002	43	465641	529.78	ug/l	96
26) 2,2-Dichloropropane	6.996	77	358411	95.55	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	245401	97.05	ug/l	99
28) Bromochloromethane	7.350	49	210252	117.63	ug/l	99
29) Tetrahydrofuran	7.362	42	329143	530.83	ug/l	99
30) Chloroform	7.521	83	393812	96.25	ug/l	98
31) Cyclohexane	7.795	56	387976	89.31	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	355814	95.81	ug/l	100
36) 1,1-Dichloropropene	7.929	75	319087	94.14	ug/l	99
37) Ethyl Acetate	7.088	43	217275	99.46	ug/l	100
38) Carbon Tetrachloride	7.911	117	294349	105.58	ug/l	99
39) Methylcyclohexane	9.191	83	399607	96.06	ug/l	100
40) Benzene	8.173	78	907670	95.42	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	128063m	87.88	ug/l	
42) 1,2-Dichloroethane	8.246	62	286793	95.94	ug/l	100
43) Isopropyl Acetate	8.283	43	423693	103.89	ug/l	99
44) Trichloroethene	8.947	130	242933	92.99	ug/l	98
45) 1,2-Dichloropropane	9.221	63	235736	97.30	ug/l	98
46) Dibromomethane	9.313	93	129683	97.57	ug/l	100
47) Bromodichloromethane	9.502	83	311007	96.84	ug/l	100
48) Methyl methacrylate	9.301	41	197515	105.28	ug/l	100
49) 1,4-Dioxane	9.307	88	36752	2215.57	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	1115512	530.95	ug/l	100
52) Toluene	10.252	92	585775	95.91	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	354462	100.82	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	391594	98.45	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	182518	99.81	ug/l	97
56) Ethyl methacrylate	10.514	69	282121	109.90	ug/l	99
57) 1,3-Dichloropropane	10.794	76	322209	99.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	746532	584.90	ug/l	99
59) 2-Hexanone	10.837	43	765372	549.09	ug/l	99
60) Dibromochloromethane	10.989	129	218434	102.41	ug/l	100
61) 1,2-Dibromoethane	11.093	107	177144	100.05	ug/l	99
64) Tetrachloroethene	10.721	164	244614	91.25	ug/l	98
65) Chlorobenzene	11.520	112	595001	95.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	217207	98.44	ug/l	99
67) Ethyl Benzene	11.599	91	1125639	97.91	ug/l	98
68) m/p-Xylenes	11.709	106	840454	196.47	ug/l	100
69) o-Xylene	12.032	106	394039	99.18	ug/l	99
70) Styrene	12.050	104	682033	104.82	ug/l	100
71) Bromoform	12.215	173	134990	105.06	ug/l #	100
73) Isopropylbenzene	12.331	105	1067270	94.02	ug/l	100
74) N-amyl acetate	12.148	43	392746	102.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	212783	98.20	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	160613m	93.92	ug/l	
77) Bromobenzene	12.611	156	239412	92.63	ug/l	99
78) n-propylbenzene	12.672	91	1273827	94.38	ug/l	99
79) 2-Chlorotoluene	12.757	91	695041	93.70	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	874963	93.90	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	87521	100.23	ug/l	97
82) 4-Chlorotoluene	12.861	91	732019	93.65	ug/l	100
83) tert-Butylbenzene	13.081	119	743774	93.48	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	871771	92.85	ug/l	100
85) sec-Butylbenzene	13.257	105	1040603	93.76	ug/l	99
86) p-Isopropyltoluene	13.373	119	947402	94.28	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	448281	93.23	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	445063	92.39	ug/l	99
89) n-Butylbenzene	13.702	91	903460	94.49	ug/l	100
90) Hexachloroethane	13.965	117	138399	107.97	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	400225	94.16	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	37383	92.26	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	263606	94.53	ug/l	100
94) Hexachlorobutadiene	15.117	225	129654	88.85	ug/l	99
95) Naphthalene	15.239	128	608135	101.23	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	234011	96.18	ug/l	100

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

