

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051021\
 Data File : VY004725.D
 Acq On : 10 May 2021 12:40
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:35:54 AM

Quant Time: May 11 03:52:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 03:49:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	191132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	306853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	287748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138386	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	234421	103.04	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 206.08%#			
35) Dibromofluoromethane	7.728	113	161333	96.04	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.08%#			
50) Toluene-d8	10.185	98	804874	106.06	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 212.12%#			
62) 4-Bromofluorobenzene	12.483	95	271827	106.13	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 212.26%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	166230	94.97	ug/l	98
3) Chloromethane	2.119	50	262918	92.70	ug/l	98
4) Vinyl Chloride	2.253	62	262259	90.36	ug/l	100
5) Bromomethane	2.644	94	136488	92.20	ug/l	100
6) Chloroethane	2.796	64	163770	95.62	ug/l	96
7) Trichlorofluoromethane	3.125	101	331090	96.09	ug/l	98
8) Diethyl Ether	3.534	74	117398	96.44	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	187699	96.03	ug/l	98
10) Methyl Iodide	4.101	142	209969	100.47	ug/l	100
11) Tert butyl alcohol	4.979	59	108909	476.36	ug/l	98
12) 1,1-Dichloroethene	3.875	96	182532	96.61	ug/l	99
13) Acrolein	3.735	56	129481	481.72	ug/l	97
14) Allyl chloride	4.485	41	365600	99.02	ug/l	100
15) Acrylonitrile	5.174	53	307690	504.24	ug/l	98
16) Acetone	3.960	43	251762	492.68	ug/l	100
17) Carbon Disulfide	4.198	76	539568	93.52	ug/l	100
18) Methyl Acetate	4.491	43	161060	98.84	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	530369	102.07	ug/l	100
20) Methylene Chloride	4.723	84	216581	66.13	ug/l	99
21) trans-1,2-Dichloroethene	5.229	96	212488	98.99	ug/l	96
22) Diisopropyl ether	6.131	45	742185	104.51	ug/l	99
23) Vinyl Acetate	6.070	43	2804140	525.78	ug/l	100
24) 1,1-Dichloroethane	6.027	63	398542	99.74	ug/l	99
25) 2-Butanone	6.996	43	474803	523.00	ug/l	97
26) 2,2-Dichloropropane	6.990	77	344648	98.74	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	239021	100.27	ug/l	99
28) Bromochloromethane	7.344	49	196352	100.59	ug/l	99
29) Tetrahydrofuran	7.356	42	302991	523.18	ug/l	99
30) Chloroform	7.515	83	388960	98.79	ug/l	99
31) Cyclohexane	7.789	56	345223	93.74	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	349733	99.11	ug/l	99
36) 1,1-Dichloropropene	7.923	75	314470	100.00	ug/l	99
37) Ethyl Acetate	7.082	43	219485	101.85	ug/l	100
38) Carbon Tetrachloride	7.905	117	298224	105.50	ug/l	95
39) Methylcyclohexane	9.185	83	350688	102.26	ug/l	99
40) Benzene	8.167	78	896430	100.84	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	118380m	98.00	ug/l	
42) 1,2-Dichloroethane	8.240	62	283654	101.03	ug/l	99
43) Isopropyl Acetate	8.283	43	420121	105.02	ug/l	100
44) Trichloroethene	8.941	130	236967	99.16	ug/l	95
45) 1,2-Dichloropropane	9.222	63	236896	101.86	ug/l	97
46) Dibromomethane	9.307	93	131984	102.04	ug/l	98
47) Bromodichloromethane	9.502	83	312708	101.92	ug/l	99
48) Methyl methacrylate	9.295	41	193336	106.19	ug/l	99
49) 1,4-Dioxane	9.307	88	33424	2194.61	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	1148388	533.53	ug/l	99
52) Toluene	10.246	92	575571	102.54	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	354989	104.44	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	389071	102.88	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	181573	102.01	ug/l	98
56) Ethyl methacrylate	10.514	69	283148	109.99	ug/l	99
57) 1,3-Dichloropropane	10.795	76	324717	102.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	738672	555.93	ug/l	99
59) 2-Hexanone	10.837	43	797323	546.65	ug/l	99
60) Dibromochloromethane	10.990	129	218122	103.05	ug/l	98
61) 1,2-Dibromoethane	11.093	107	177364	103.35	ug/l	98
64) Tetrachloroethene	10.721	164	256163	98.53	ug/l	98
65) Chlorobenzene	11.520	112	596700	100.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	218174	101.34	ug/l	99
67) Ethyl Benzene	11.593	91	1138294	103.46	ug/l	100
68) m/p-Xylenes	11.703	106	853967	206.57	ug/l	100
69) o-Xylene	12.032	106	404959	104.81	ug/l	98
70) Styrene	12.044	104	688823	106.34	ug/l	100
71) Bromoform	12.209	173	135847	104.16	ug/l #	99
73) Isopropylbenzene	12.331	105	1080188	103.47	ug/l	100
74) N-amyl acetate	12.148	43	398609	107.99	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	215624	103.50	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	154505m	110.27	ug/l	
77) Bromobenzene	12.611	156	238649	101.24	ug/l	99
78) n-propylbenzene	12.672	91	1313228	103.08	ug/l	100
79) 2-Chlorotoluene	12.758	91	716651	102.51	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	893518	103.05	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	87627	103.37	ug/l	99
82) 4-Chlorotoluene	12.855	91	744209	102.51	ug/l	100
83) tert-Butylbenzene	13.075	119	765879	103.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	895583	103.20	ug/l	99
85) sec-Butylbenzene	13.258	105	1108592	103.02	ug/l	100
86) p-Isopropyltoluene	13.373	119	972687	104.27	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	464656	100.50	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	456156	100.12	ug/l	100
89) n-Butylbenzene	13.697	91	938650	102.92	ug/l	100
90) Hexachloroethane	13.965	117	138368	105.32	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	413778	101.45	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	38281	98.34	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	271554	103.36	ug/l	99
94) Hexachlorobutadiene	15.111	225	140902	99.00	ug/l	98
95) Naphthalene	15.239	128	620916	109.20	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	239372	102.94	ug/l	100

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

