

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051021\
 Data File : VY004723.D
 Acq On : 10 May 2021 11:55
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:35:51 AM

Quant Time: May 11 03:51:40 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	181972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	43271	19.98	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.96%#		
35) Dibromofluoromethane	7.722	113	33093	20.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.02%#		
50) Toluene-d8	10.179	98	144017	19.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.52%#		
62) 4-Bromofluorobenzene	12.483	95	47540	19.33	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.66%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35102	21.06	ug/l	98
3) Chloromethane	2.113	50	54573	20.21	ug/l	96
4) Vinyl Chloride	2.253	62	54052	19.56	ug/l	98
5) Bromomethane	2.637	94	28101	19.94	ug/l	94
6) Chloroethane	2.790	64	33416	20.49	ug/l	99
7) Trichlorofluoromethane	3.125	101	67318	20.52	ug/l	94
8) Diethyl Ether	3.534	74	22799	19.67	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	37602	20.21	ug/l	97
10) Methyl Iodide	4.094	142	39351	19.78	ug/l	98
11) Tert butyl alcohol	4.978	59	21208	97.43	ug/l	97
12) 1,1-Dichloroethene	3.875	96	36460	20.27	ug/l	95
13) Acrolein	3.735	56	26044	101.77	ug/l	97
14) Allyl chloride	4.485	41	68710	19.55	ug/l	99
15) Acrylonitrile	5.180	53	56147	96.64	ug/l	99
16) Acetone	3.954	43	48275	99.23	ug/l	97
17) Carbon Disulfide	4.192	76	110631	20.14	ug/l	98
18) Methyl Acetate	4.485	43	30126	19.42	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	97001	19.61	ug/l	99
20) Methylene Chloride	4.722	84	50348	16.15	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	40771	19.95	ug/l	99
22) Diisopropyl ether	6.131	45	131186	19.40	ug/l	98
23) Vinyl Acetate	6.070	43	497995	98.08	ug/l	100
24) 1,1-Dichloroethane	6.027	63	74432	19.56	ug/l	97
25) 2-Butanone	6.996	43	84676	97.97	ug/l	98
26) 2,2-Dichloropropane	6.984	77	66303	19.95	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	44741	19.71	ug/l	99
28) Bromochloromethane	7.338	49	36533	19.66	ug/l	100
29) Tetrahydrofuran	7.362	42	53116	96.33	ug/l	98
30) Chloroform	7.515	83	73432	19.59	ug/l	96
31) Cyclohexane	7.789	56	67946	19.38	ug/l #	95
32) 1,1,1-Trichloroethane	7.704	97	66848	19.90	ug/l	100
36) 1,1-Dichloropropene	7.923	75	59182	19.60	ug/l	100
37) Ethyl Acetate	7.082	43	39572	19.12	ug/l	99
38) Carbon Tetrachloride	7.905	117	52984	19.52	ug/l	98
39) Methylcyclohexane	9.185	83	64901	19.71	ug/l	97
40) Benzene	8.167	78	166847	19.54	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	21478m	18.52	ug/l	
42) 1,2-Dichloroethane	8.240	62	52980	19.65	ug/l	99
43) Isopropyl Acetate	8.277	43	74548	19.40	ug/l	99
44) Trichloroethene	8.941	130	45615	19.88	ug/l	94
45) 1,2-Dichloropropane	9.222	63	43644	19.54	ug/l	96
46) Dibromomethane	9.307	93	24513	19.73	ug/l	98
47) Bromodichloromethane	9.496	83	58594	19.89	ug/l	98
48) Methyl methacrylate	9.295	41	33306	19.05	ug/l	98
49) 1,4-Dioxane	9.307	88	5485	375.04	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	198767	96.16	ug/l	99
52) Toluene	10.246	92	104486	19.38	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	63746	19.53	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	70940	19.53	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	34101	19.95	ug/l	97
56) Ethyl methacrylate	10.514	69	47408	19.18	ug/l	99
57) 1,3-Dichloropropane	10.794	76	59978	19.73	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	128918	101.04	ug/l	99
59) 2-Hexanone	10.837	43	136164	97.22	ug/l	100
60) Dibromochloromethane	10.983	129	39924	19.64	ug/l	98
61) 1,2-Dibromoethane	11.093	107	32130	19.50	ug/l	100
64) Tetrachloroethene	10.721	164	48577	19.79	ug/l	97
65) Chlorobenzene	11.514	112	109922	19.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	39583	19.47	ug/l	99
67) Ethyl Benzene	11.593	91	201721	19.41	ug/l	97
68) m/p-Xylenes	11.703	106	151959	38.92	ug/l	100
69) o-Xylene	12.032	106	70441	19.31	ug/l	100
70) Styrene	12.044	104	119733	19.57	ug/l	99
71) Bromoform	12.209	173	24051	19.53	ug/l #	99
73) Isopropylbenzene	12.331	105	191492	19.11	ug/l	99
74) N-amyl acetate	12.142	43	68672	19.38	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	37615	18.81	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26671m	19.83	ug/l	
77) Bromobenzene	12.611	156	43581	19.26	ug/l	98
78) n-propylbenzene	12.672	91	236709	19.36	ug/l	100
79) 2-Chlorotoluene	12.758	91	129248	19.26	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	162445	19.52	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15123	18.59	ug/l	97
82) 4-Chlorotoluene	12.855	91	137712	19.76	ug/l	99
83) tert-Butylbenzene	13.075	119	137570	19.37	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	162861	19.55	ug/l	99
85) sec-Butylbenzene	13.251	105	200691	19.43	ug/l	98
86) p-Isopropyltoluene	13.367	119	174151	19.45	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	87612	19.74	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	85361	19.52	ug/l	98
89) n-Butylbenzene	13.696	91	169875	19.41	ug/l	99
90) Hexachloroethane	13.959	117	24159	19.16	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	76182	19.46	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6927	18.54	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	49258	19.53	ug/l	99
94) Hexachlorobutadiene	15.111	225	27039	19.80	ug/l	98
95) Naphthalene	15.239	128	103377	18.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	44014	19.72	ug/l	97

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

