

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
 Data File : VY004820.D
 Acq On : 18 May 2021 12:20
 Operator : SY/MD
 Sample : VY0518SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0518SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/19/2021 3:59:06 PM

Quant Time: May 19 01:02:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	196493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	288842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136258	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	118592	50.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.40%			
35) Dibromofluoromethane	7.728	113	99498	57.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.72%			
50) Toluene-d8	10.185	98	422310	53.89	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.78%			
62) 4-Bromofluorobenzene	12.483	95	138523	52.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.74%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35313	19.63	ug/l	95
3) Chloromethane	2.119	50	56453	19.36	ug/l	98
4) Vinyl Chloride	2.259	62	56637	18.98	ug/l	99
5) Bromomethane	2.650	94	31037	20.39	ug/l	96
6) Chloroethane	2.802	64	34726	19.72	ug/l	100
7) Trichlorofluoromethane	3.131	101	74756	21.10	ug/l	96
8) Diethyl Ether	3.534	74	25554	20.42	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	42717	21.26	ug/l	98
10) Methyl Iodide	4.101	142	45903	21.36	ug/l	100
11) Tert butyl alcohol	4.978	59	19213	81.74	ug/l	99
12) 1,1-Dichloroethene	3.881	96	41025	21.12	ug/l	99
13) Acrolein	3.741	56	20756	75.11	ug/l	95
14) Allyl chloride	4.485	41	79490	20.94	ug/l	99
15) Acrylonitrile	5.174	53	58448	93.17	ug/l	99
16) Acetone	3.960	43	46994	89.46	ug/l	100
17) Carbon Disulfide	4.204	76	128965	21.74	ug/l	98
18) Methyl Acetate	4.491	43	31930	19.06	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	103067	19.29	ug/l	99
20) Methylene Chloride	4.729	84	49990	14.46	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	46794	21.21	ug/l	95
22) Diisopropyl ether	6.131	45	153334	21.00	ug/l	97
23) Vinyl Acetate	6.070	43	531117	96.87	ug/l	100
24) 1,1-Dichloroethane	6.027	63	85852	20.90	ug/l	98
25) 2-Butanone	6.996	43	82467	88.36	ug/l	99
26) 2,2-Dichloropropane	6.990	77	77366	21.56	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	51324	20.94	ug/l	99
28) Bromochloromethane	7.338	49	42601	21.23	ug/l	98
29) Tetrahydrofuran	7.356	42	52758	88.61	ug/l	98
30) Chloroform	7.515	83	85119	21.03	ug/l	97
31) Cyclohexane	7.789	56	78281	20.68	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	76074	20.97	ug/l	100
36) 1,1-Dichloropropene	7.923	75	67971	20.93	ug/l	99
37) Ethyl Acetate	7.088	43	39530	17.76	ug/l	99
38) Carbon Tetrachloride	7.905	117	59647	20.43	ug/l	96
39) Methylcyclohexane	9.185	83	72664	20.52	ug/l	99
40) Benzene	8.167	78	193967	21.13	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	21478m	17.66	ug/l	
42) 1,2-Dichloroethane	8.246	62	58115	20.04	ug/l	98
43) Isopropyl Acetate	8.283	43	75677	18.32	ug/l	97
44) Trichloroethene	8.941	130	51702	20.95	ug/l	94
45) 1,2-Dichloropropane	9.222	63	50880	21.19	ug/l	98
46) Dibromomethane	9.313	93	26216	19.63	ug/l	99
47) Bromodichloromethane	9.502	83	65967	20.82	ug/l	98
48) Methyl methacrylate	9.295	41	35084	18.66	ug/l	99
49) 1,4-Dioxane	9.301	88	5832	370.81	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	199680	89.83	ug/l	99
52) Toluene	10.246	92	121012	20.88	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	69558	19.82	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	78853	20.19	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	36034	19.60	ug/l	98
56) Ethyl methacrylate	10.514	69	50475	18.99	ug/l	99
57) 1,3-Dichloropropane	10.794	76	65760	20.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	138342	100.82	ug/l	100
59) 2-Hexanone	10.837	43	133852	88.87	ug/l	100
60) Dibromochloromethane	10.990	129	42521	19.45	ug/l	98
61) 1,2-Dibromoethane	11.093	107	34722	19.59	ug/l	99
64) Tetrachloroethene	10.721	164	52698	20.19	ug/l	97
65) Chlorobenzene	11.520	112	127381	21.43	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	44593	20.63	ug/l	99
67) Ethyl Benzene	11.593	91	234011	21.19	ug/l	100
68) m/p-Xylenes	11.703	106	174071	41.95	ug/l	99
69) o-Xylene	12.032	106	81676	21.06	ug/l	98
70) Styrene	12.044	104	135611	20.86	ug/l	100
71) Bromoform	12.209	173	24958	19.06	ug/l #	100
73) Isopropylbenzene	12.331	105	220977	21.50	ug/l	100
74) N-amyl acetate	12.148	43	68744	18.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	41057	20.01	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	28348m	19.59	ug/l	
77) Bromobenzene	12.611	156	49425	21.29	ug/l	96
78) n-propylbenzene	12.672	91	275624	21.97	ug/l	99
79) 2-Chlorotoluene	12.758	91	148552	21.58	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	185965	21.78	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	15567	18.65	ug/l	96
82) 4-Chlorotoluene	12.855	91	155814	21.80	ug/l	100
83) tert-Butylbenzene	13.075	119	156213	21.43	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	184681	21.61	ug/l	100
85) sec-Butylbenzene	13.251	105	232514	21.94	ug/l	99
86) p-Isopropyltoluene	13.373	119	198040	21.56	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	95667	21.01	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	95118	21.20	ug/l	98
89) n-Butylbenzene	13.696	91	192613	21.45	ug/l	100
90) Hexachloroethane	13.959	117	27738	21.44	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	83772	20.86	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6398	16.69	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	51999	20.10	ug/l	100
94) Hexachlorobutadiene	15.111	225	28505	20.34	ug/l	97
95) Naphthalene	15.239	128	105428	18.83	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	45405	19.83	ug/l	98

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

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