

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100421\
 Data File : VY006275.D
 Acq On : 04 Oct 2021 14:45
 Operator : SY/MD
 Sample : VY1004SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1004SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/5/2021 6:03:10 PM

Quant Time: Oct 05 06:36:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	131438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	206013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	194141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100887	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	74245	52.78	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.56%
35) Dibromofluoromethane	7.728	113	53917	48.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.98%
50) Toluene-d8	10.185	98	220208	47.80	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.60%
62) 4-Bromofluorobenzene	12.483	95	77431	49.48	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.96%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	29168	21.88	ug/l	99
3) Chloromethane	2.119	50	33648	21.67	ug/l	99
4) Vinyl Chloride	2.259	62	38225	22.21	ug/l	99
5) Bromomethane	2.656	94	25245	22.57	ug/l	98
6) Chloroethane	2.802	64	21310	21.04	ug/l	97
7) Trichlorofluoromethane	3.131	101	47868	21.12	ug/l	96
8) Diethyl Ether	3.540	74	16037	21.42	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.911	101	23271	19.23	ug/l	95
10) Methyl Iodide	4.100	142	22581	17.12	ug/l	97
11) Tert butyl alcohol	4.960	59	13089	106.37	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	24188	19.65	ug/l	95
13) Acrolein	3.735	56	4940	70.93	ug/l	99
14) Allyl chloride	4.491	41	46638	19.70	ug/l	98
15) Acrylonitrile	5.173	53	40814	103.64	ug/l	99
16) Acetone	3.954	43	35417	90.14	ug/l	99
17) Carbon Disulfide	4.204	76	79153	19.23	ug/l	98
18) Methyl Acetate	4.485	43	29267	22.09	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	77442	21.54	ug/l	97
20) Methylene Chloride	4.728	84	28167	18.43	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	27318	20.02	ug/l	89
22) Diisopropyl ether	6.131	45	93026	19.86	ug/l	96
23) Vinyl Acetate	6.070	43	275357	98.09	ug/l	97
24) 1,1-Dichloroethane	6.027	63	49549	19.71	ug/l	99
25) 2-Butanone	6.996	43	52075	95.15	ug/l	92
26) 2,2-Dichloropropane	6.990	77	45301	19.70	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	30538	19.98	ug/l	96
28) Bromochloromethane	7.338	49	21015	20.07	ug/l	89
29) Tetrahydrofuran	7.350	42	34790	100.63	ug/l	92
30) Chloroform	7.514	83	52840	21.07	ug/l	99
31) Cyclohexane	7.789	56	48549	18.22	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	49934	21.56	ug/l	98
36) 1,1-Dichloropropene	7.923	75	38623	18.84	ug/l	98
37) Ethyl Acetate	7.082	43	23527	19.70	ug/l	98
38) Carbon Tetrachloride	7.905	117	45023	20.80	ug/l	95
39) Methylcyclohexane	9.191	83	47178	18.32	ug/l	95
40) Benzene	8.167	78	115548	19.87	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	14181m	18.31	ug/l	
42) 1,2-Dichloroethane	8.240	62	41217	22.00	ug/l	97
43) Isopropyl Acetate	8.277	43	44779	19.55	ug/l	96
44) Trichloroethene	8.941	130	30604	20.38	ug/l	97
45) 1,2-Dichloropropane	9.221	63	27551	19.24	ug/l	94
46) Dibromomethane	9.313	93	16104	21.13	ug/l	97
47) Bromodichloromethane	9.502	83	40358	20.56	ug/l	97
48) Methyl methacrylate	9.295	41	21700	19.75	ug/l	95
49) 1,4-Dioxane	9.301	88	4056	407.81	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	119203	100.24	ug/l	98
52) Toluene	10.246	92	72929	20.22	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	43146	20.16	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	46642	19.83	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	21349	19.90	ug/l	96
56) Ethyl methacrylate	10.514	69	32493	19.93	ug/l	94
57) 1,3-Dichloropropane	10.794	76	38642	19.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	81918	102.55	ug/l	96
59) 2-Hexanone	10.837	43	82725	97.67	ug/l	97
60) Dibromochloromethane	10.983	129	27688	21.25	ug/l	100
61) 1,2-Dibromoethane	11.087	107	20689	20.37	ug/l	100
64) Tetrachloroethene	10.721	164	33845	21.65	ug/l	94
65) Chlorobenzene	11.520	112	75286	19.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	29136	20.55	ug/l	99
67) Ethyl Benzene	11.593	91	140414	19.37	ug/l	98
68) m/p-Xylenes	11.703	106	108488	39.43	ug/l	95
69) o-Xylene	12.032	106	52363	20.15	ug/l	94
70) Styrene	12.044	104	89881	20.37	ug/l	98
71) Bromoform	12.209	173	18447	20.93	ug/l #	100
73) Isopropylbenzene	12.331	105	134705	18.64	ug/l	99
74) N-amyl acetate	12.142	43	41555	18.53	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	22892	17.54	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	17229m	17.57	ug/l	
77) Bromobenzene	12.611	156	34327	20.26	ug/l	91
78) n-propylbenzene	12.672	91	164048	18.44	ug/l	99
79) 2-Chlorotoluene	12.757	91	94462	19.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	115007	19.03	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9105	18.25	ug/l	96
82) 4-Chlorotoluene	12.855	91	96209	18.90	ug/l	97
83) tert-Butylbenzene	13.074	119	98111	18.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	114957	19.27	ug/l	98
85) sec-Butylbenzene	13.251	105	146082	18.71	ug/l	99
86) p-Isopropyltoluene	13.367	119	125999	19.13	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	66510	19.81	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	65932	19.92	ug/l	99
89) n-Butylbenzene	13.696	91	115677	18.48	ug/l	99
90) Hexachloroethane	13.958	117	22939	19.17	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	59363	20.22	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4762	19.15	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	38469	19.83	ug/l	99
94) Hexachlorobutadiene	15.111	225	24515	19.37	ug/l	97
95) Naphthalene	15.239	128	74577	19.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	34239	19.92	ug/l	98

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

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