

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005391.D
 Acq On : 09 Jul 2021 10:27
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:46:24 PM

Quant Time: Jul 10 07:30:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 10 07:30:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	319925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	461918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	423367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	225501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	16044	5.353	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.700%#		
35) Dibromofluoromethane	7.722	113	13320	4.914	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.820%#		
50) Toluene-d8	10.179	98	60351	5.230	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.460%#		
62) 4-Bromofluorobenzene	12.483	95	20405	5.246	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.500%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	14851	5.210	ug/l	100
3) Chloromethane	2.113	50	15894	5.481	ug/l	98
4) Vinyl Chloride	2.253	62	18910	5.272	ug/l	95
5) Bromomethane	2.644	94	15753	5.902	ug/l	91
6) Chloroethane	2.790	64	11756	5.225	ug/l	99
7) Trichlorofluoromethane	3.125	101	27710	5.246	ug/l	97
8) Diethyl Ether	3.540	74	9166	5.004	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	15204	5.119	ug/l	98
10) Methyl Iodide	4.095	142	14963	4.140	ug/l	99
11) Tert butyl alcohol	4.966	59	14655	34.225	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	15352	5.034	ug/l	92
13) Acrolein	3.741	56	6627	29.521	ug/l	98
14) Allyl chloride	4.491	41	21060	4.964	ug/l	97
15) Acrylonitrile	5.168	53	20695	24.824	ug/l	99
16) Acetone	3.960	43	18584	28.958	ug/l	98
17) Carbon Disulfide	4.198	76	47465	4.986	ug/l	98
18) Methyl Acetate	4.485	43	9372	5.269	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	39813	4.823	ug/l	94
20) Methylene Chloride	4.722	84	35527	7.993	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	16817	4.948	ug/l	97
22) Diisopropyl ether	6.131	45	40450	4.786	ug/l	97
23) Vinyl Acetate	6.070	43	133031	23.786	ug/l	96
24) 1,1-Dichloroethane	6.021	63	26539	4.974	ug/l	99
25) 2-Butanone	6.996	43	26225	25.934	ug/l	92
26) 2,2-Dichloropropane	6.990	77	26615	5.376	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	18750	4.981	ug/l	98
28) Bromochloromethane	7.338	49	10769	5.378	ug/l	95
29) Tetrahydrofuran	7.356	42	16135	24.054	ug/l	98
30) Chloroform	7.515	83	28677	5.015	ug/l	96
31) Cyclohexane	7.789	56	29114	5.481	ug/l #	79
32) 1,1,1-Trichloroethane	7.704	97	26209	4.950	ug/l	99
36) 1,1-Dichloropropene	7.917	75	22189	4.920	ug/l	99
37) Ethyl Acetate	7.076	43	11543	5.091	ug/l	99
38) Carbon Tetrachloride	7.905	117	25218	5.002	ug/l	99
39) Methylcyclohexane	9.185	83	28034	4.724	ug/l	97
40) Benzene	8.161	78	64726	4.897	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	5867	4.417	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	18892	4.949	ug/l	100
43) Isopropyl Acetate	8.277	43	20007	4.810	ug/l	98
44) Trichloroethene	8.941	130	19238	4.946	ug/l	95
45) 1,2-Dichloropropane	9.216	63	15121	4.897	ug/l	98
46) Dibromomethane	9.307	93	8684	4.800	ug/l	99
47) Bromodichloromethane	9.502	83	21556	4.920	ug/l	97
48) Methyl methacrylate	9.295	41	9176	4.772	ug/l	97
49) 1,4-Dioxane	9.307	88	2605m	92.204	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	54780	23.835	ug/l	100
52) Toluene	10.246	92	41985	4.826	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	23810	4.866	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	26572	4.927	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	13107	4.882	ug/l	96
56) Ethyl methacrylate	10.514	69	16810	4.505	ug/l	99
57) 1,3-Dichloropropane	10.795	76	22007	4.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	42180	26.438	ug/l	100
59) 2-Hexanone	10.837	43	37469	23.342	ug/l	98
60) Dibromochloromethane	10.990	129	15788	4.706	ug/l	97
61) 1,2-Dibromoethane	11.093	107	12457	4.822	ug/l	96
64) Tetrachloroethene	10.721	164	20319	5.307	ug/l	94
65) Chlorobenzene	11.520	112	46187	4.902	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	17009	4.854	ug/l	99
67) Ethyl Benzene	11.593	91	79285	4.802	ug/l	99
68) m/p-Xylenes	11.703	106	62950	9.529	ug/l	99
69) o-Xylene	12.032	106	29945	4.766	ug/l	99
70) Styrene	12.044	104	49142	4.614	ug/l	99
71) Bromoform	12.209	173	11279	4.869	ug/l #	96
73) Isopropylbenzene	12.331	105	77113	4.699	ug/l	100
74) N-amyl acetate	12.148	43	17956	4.618	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	14681	4.821	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	10608m	5.045	ug/l	
77) Bromobenzene	12.611	156	19932	4.814	ug/l	97
78) n-propylbenzene	12.672	91	91678	4.746	ug/l	100
79) 2-Chlorotoluene	12.758	91	51919	4.783	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	65036	4.751	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	5699	4.858	ug/l	96
82) 4-Chlorotoluene	12.855	91	55244	4.897	ug/l	100
83) tert-Butylbenzene	13.075	119	56531	4.645	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	64219	4.695	ug/l	99
85) sec-Butylbenzene	13.258	105	84941	4.776	ug/l	100
86) p-Isopropyltoluene	13.373	119	72039	4.665	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	39960	4.868	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	40348	4.973	ug/l	96
89) n-Butylbenzene	13.696	91	65074	4.755	ug/l	99
90) Hexachloroethane	13.965	117	13583	4.914	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	35064	4.833	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2962	5.142	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	24145	4.851	ug/l	99
94) Hexachlorobutadiene	15.111	225	15073	4.848	ug/l	97
95) Naphthalene	15.239	128	45364	4.621	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	21544	4.900	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

