

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005395.D
 Acq On : 09 Jul 2021 12:32
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:46:33 PM

Quant Time: Jul 10 07:33:22 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	336153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	486006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	452956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	240469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	296939	94.288	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.580%#			
35) Dibromofluoromethane	7.722	113	276737	97.024	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.040%#			
50) Toluene-d8	10.179	98	1152751	94.949	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 189.900%#			
62) 4-Bromofluorobenzene	12.483	95	391379	95.629	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 191.260%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	286041	95.508	ug/l	99
3) Chloromethane	2.113	50	285588	93.722	ug/l	98
4) Vinyl Chloride	2.253	62	358634	95.152	ug/l	98
5) Bromomethane	2.631	94	257605	91.856	ug/l	98
6) Chloroethane	2.790	64	228161	96.513	ug/l	99
7) Trichlorofluoromethane	3.119	101	535075	96.414	ug/l	100
8) Diethyl Ether	3.533	74	190297	98.869	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	306040	98.071	ug/l	99
10) Methyl Iodide	4.094	142	409523	107.831	ug/l	99
11) Tert butyl alcohol	4.972	59	175529	390.138	ug/l	99
12) 1,1-Dichloroethene	3.875	96	315827	98.552	ug/l	98
13) Acrolein	3.735	56	105873	448.860	ug/l	100
14) Allyl chloride	4.478	41	442737	99.312	ug/l	99
15) Acrylonitrile	5.173	53	440931	503.381	ug/l	100
16) Acetone	3.954	43	324039	480.556	ug/l	99
17) Carbon Disulfide	4.192	76	983663	98.332	ug/l	100
18) Methyl Acetate	4.485	43	184720	98.846	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	886312	102.189	ug/l	99
20) Methylene Chloride	4.722	84	357664	76.580	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	351251	98.353	ug/l	97
22) Diisopropyl ether	6.124	45	878151	98.876	ug/l	100
23) Vinyl Acetate	6.064	43	2964609	504.485	ug/l	100
24) 1,1-Dichloroethane	6.021	63	557539	99.458	ug/l	99
25) 2-Butanone	6.996	43	532182	500.873	ug/l	99
26) 2,2-Dichloropropane	6.984	77	501136	96.331	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	395738	100.053	ug/l	99
28) Bromochloromethane	7.338	49	208729	99.200	ug/l	100
29) Tetrahydrofuran	7.356	42	361890	513.458	ug/l	99
30) Chloroform	7.514	83	589873	98.170	ug/l	99
31) Cyclohexane	7.789	56	532238	95.359	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	550863	99.022	ug/l	100
36) 1,1-Dichloropropene	7.923	75	468214	98.682	ug/l	99
37) Ethyl Acetate	7.082	43	232445	97.434	ug/l	99
38) Carbon Tetrachloride	7.905	117	520681	98.160	ug/l	99
39) Methylcyclohexane	9.185	83	638048	102.193	ug/l	99
40) Benzene	8.167	78	1383983	99.520	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	140171m	100.298	ug/l	
42) 1,2-Dichloroethane	8.240	62	396752	98.786	ug/l	100
43) Isopropyl Acetate	8.277	43	452783	103.469	ug/l	100
44) Trichloroethene	8.941	130	402851	98.431	ug/l	99
45) 1,2-Dichloropropane	9.221	63	320606	98.680	ug/l	99
46) Dibromomethane	9.307	93	191671	100.686	ug/l	100
47) Bromodichloromethane	9.502	83	461427	100.095	ug/l	100
48) Methyl methacrylate	9.295	41	210706	104.154	ug/l	100
49) 1,4-Dioxane	9.301	88	63664	2141.692	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	1243461	514.209	ug/l	99
52) Toluene	10.246	92	917610	100.248	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	524381	101.863	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	570534	100.545	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	284164	100.595	ug/l	99
56) Ethyl methacrylate	10.514	69	419105	106.744	ug/l	99
57) 1,3-Dichloropropane	10.794	76	483010	101.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	778249	463.625	ug/l	100
59) 2-Hexanone	10.837	43	885016	524.013	ug/l	99
60) Dibromochloromethane	10.989	129	364058	103.149	ug/l	99
61) 1,2-Dibromoethane	11.093	107	279289	102.754	ug/l	99
64) Tetrachloroethene	10.721	164	383944	93.732	ug/l	100
65) Chlorobenzene	11.520	112	1009369	100.133	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	375954	100.288	ug/l	99
67) Ethyl Benzene	11.593	91	1788032	101.216	ug/l	100
68) m/p-Xylenes	11.703	106	1439405	203.664	ug/l	100
69) o-Xylene	12.032	106	687456	102.258	ug/l	100
70) Styrene	12.044	104	1182607	103.794	ug/l	100
71) Bromoform	12.209	173	254034	102.507	ug/l	99
73) Isopropylbenzene	12.331	105	1777578	101.577	ug/l	99
74) N-amyl acetate	12.148	43	436455	105.255	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	330410	101.738	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	233240m	104.028	ug/l	
77) Bromobenzene	12.611	156	449614	101.838	ug/l	99
78) n-propylbenzene	12.672	91	2087028	101.326	ug/l	100
79) 2-Chlorotoluene	12.757	91	1163232	100.501	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1480947	101.446	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	127945	102.275	ug/l	99
82) 4-Chlorotoluene	12.855	91	1210745	100.640	ug/l	100
83) tert-Butylbenzene	13.074	119	1316279	101.420	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	1488193	102.027	ug/l	99
85) sec-Butylbenzene	13.257	105	1921089	101.302	ug/l	100
86) p-Isopropyltoluene	13.373	119	1699022	103.184	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	882396	100.812	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	862482	99.688	ug/l	100
89) n-Butylbenzene	13.696	91	1503404	103.014	ug/l	100
90) Hexachloroethane	13.965	117	296935	100.730	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	777331	100.465	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	61119	99.500	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	557107	104.962	ug/l	99
94) Hexachlorobutadiene	15.117	225	340392	102.675	ug/l	100
95) Naphthalene	15.239	128	1128554	107.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	491347	104.788	ug/l	100

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

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