

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092821\
 Data File : VY006185.D
 Acq On : 28 Sep 2021 13:32
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/29/2021 6:33:20 PM

Quant Time: Sep 28 17:30:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:25:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	192826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	267422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	194022	92.211	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 184.420%#			
35) Dibromofluoromethane	7.728	113	151890	97.310	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.620%#			
50) Toluene-d8	10.185	98	631848	96.683	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 193.360%#			
62) 4-Bromofluorobenzene	12.483	95	212514	94.003	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 188.000%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	182316	89.116	ug/l	99
3) Chloromethane	2.119	50	224435	97.698	ug/l	98
4) Vinyl Chloride	2.260	62	236469	90.058	ug/l	99
5) Bromomethane	2.644	94	142486	80.865	ug/l	99
6) Chloroethane	2.796	64	139866	90.554	ug/l	100
7) Trichlorofluoromethane	3.131	101	319553	93.473	ug/l	98
8) Diethyl Ether	3.534	74	105205	94.213	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	170776	93.820	ug/l	98
10) Methyl Iodide	4.101	142	212868	114.790	ug/l	93
11) Tert butyl alcohol	4.966	59	85010	462.200	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	176069	95.532	ug/l	93
13) Acrolein	3.735	56	64906	603.787	ug/l	99
14) Allyl chloride	4.485	41	345554	98.539	ug/l	95
15) Acrylonitrile	5.174	53	280462	480.673	ug/l	99
16) Acetone	3.954	43	304850	529.551	ug/l	95
17) Carbon Disulfide	4.204	76	580358	93.239	ug/l	99
18) Methyl Acetate	4.485	43	185806	94.859	ug/l	96
19) Methyl tert-butyl Ether	5.229	73	518144	97.825	ug/l	98
20) Methylene Chloride	4.729	84	191700	84.345	ug/l	91
21) trans-1,2-Dichloroethene	5.229	96	197215	96.609	ug/l	93
22) Diisopropyl ether	6.131	45	672575	96.662	ug/l	94
23) Vinyl Acetate	6.070	43	2028693	488.681	ug/l	98
24) 1,1-Dichloroethane	6.027	63	357861	95.981	ug/l	98
25) 2-Butanone	6.990	43	409986	505.988	ug/l	95
26) 2,2-Dichloropropane	6.990	77	328194	94.626	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	218263	95.980	ug/l	96
28) Bromochloromethane	7.344	49	150484	99.243	ug/l	97
29) Tetrahydrofuran	7.350	42	247239	484.640	ug/l	97
30) Chloroform	7.515	83	353669	95.056	ug/l	100
31) Cyclohexane	7.789	56	366224	89.795	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	332545	95.894	ug/l	98
36) 1,1-Dichloropropene	7.923	75	286590	98.038	ug/l	99
37) Ethyl Acetate	7.082	43	161686	96.711	ug/l	98
38) Carbon Tetrachloride	7.905	117	304488	98.814	ug/l	96
39) Methylcyclohexane	9.185	83	369023	101.334	ug/l	100
40) Benzene	8.167	78	814452	97.817	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	103742m	94.348	ug/l	
42) 1,2-Dichloroethane	8.240	62	258980	96.500	ug/l	97
43) Isopropyl Acetate	8.277	43	324197	99.320	ug/l	97
44) Trichloroethene	8.941	130	208687	96.829	ug/l	94
45) 1,2-Dichloropropane	9.222	63	198387	98.654	ug/l	97
46) Dibromomethane	9.307	93	105119	95.103	ug/l	97
47) Bromodichloromethane	9.502	83	274580	98.136	ug/l	100
48) Methyl methacrylate	9.295	41	157308	101.167	ug/l	95
49) 1,4-Dioxane	9.301	88	28004	1979.783	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	835972	497.224	ug/l	96
52) Toluene	10.246	92	508583	98.935	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	300975	99.838	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	332490	99.509	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	149586	96.958	ug/l	99
56) Ethyl methacrylate	10.514	69	235794	103.303	ug/l	93
57) 1,3-Dichloropropane	10.795	76	270373	97.975	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	561776	501.280	ug/l	100
59) 2-Hexanone	10.837	43	605676	501.132	ug/l	96
60) Dibromochloromethane	10.990	129	183186	99.107	ug/l	99
61) 1,2-Dibromoethane	11.093	107	140198	96.138	ug/l	99
64) Tetrachloroethene	10.721	164	207273	93.135	ug/l	99
65) Chlorobenzene	11.520	112	520743	96.543	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	194760	100.081	ug/l	98
67) Ethyl Benzene	11.593	91	1013302	100.977	ug/l	100
68) m/p-Xylenes	11.703	106	769860	203.207	ug/l	98
69) o-Xylene	12.032	106	363633	101.267	ug/l	98
70) Styrene	12.044	104	623086	102.881	ug/l	99
71) Bromoform	12.209	173	120138	98.238	ug/l #	99
73) Isopropylbenzene	12.331	105	959047	102.709	ug/l	99
74) N-amyl acetate	12.148	43	296749	103.100	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	168125	99.500	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	120508m	197.271	ug/l	
77) Bromobenzene	12.611	156	219739	99.498	ug/l	98
78) n-propylbenzene	12.672	91	1173036	101.770	ug/l	100
79) 2-Chlorotoluene	12.758	91	641450	100.143	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	795406	101.722	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	66085	103.433	ug/l	94
82) 4-Chlorotoluene	12.855	91	658363	99.200	ug/l	100
83) tert-Butylbenzene	13.075	119	682216	100.131	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	788352	101.478	ug/l	99
85) sec-Butylbenzene	13.258	105	1022973	100.235	ug/l	100
86) p-Isopropyltoluene	13.367	119	870400	101.147	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	437578	99.850	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	421383	96.475	ug/l	98
89) n-Butylbenzene	13.697	91	821705	100.565	ug/l	99
90) Hexachloroethane	13.965	117	155891	99.220	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	377686	97.893	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	31449	97.030	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	253116	97.380	ug/l	99
94) Hexachlorobutadiene	15.111	225	161701	95.856	ug/l	99
95) Naphthalene	15.239	128	498899	98.842	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	221620	95.956	ug/l	99

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

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