

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092821\
 Data File : VY006187.D
 Acq On : 28 Sep 2021 14:39
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY092821

Manual Integrations
 APPROVED

MMDadoda
 9/29/2021 6:33:23 PM

Quant Time: Sep 28 17:48:51 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	193036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	301197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	279006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105480	51.054	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.100%
35) Dibromofluoromethane	7.728	113	79919	49.665	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.320%
50) Toluene-d8	10.185	98	331566	49.233	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.483	95	114218	49.923	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.840%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	93385	47.693	ug/l	99
3) Chloromethane	2.119	50	120343	52.768	ug/l	98
4) Vinyl Chloride	2.253	62	125764	49.757	ug/l	97
5) Bromomethane	2.656	94	84364	51.357	ug/l	98
6) Chloroethane	2.802	64	76405	51.374	ug/l	100
7) Trichlorofluoromethane	3.131	101	163617	49.145	ug/l	97
8) Diethyl Ether	3.534	74	58208	52.933	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	88228	49.642	ug/l	96
10) Methyl Iodide	4.101	142	96235	49.685	ug/l	94
11) Tert butyl alcohol	4.960	59	52327	289.535	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	92397	51.106	ug/l	93
13) Acrolein	3.735	56	37805	291.804	ug/l	97
14) Allyl chloride	4.491	41	189692	54.558	ug/l	94
15) Acrylonitrile	5.174	53	162224	280.483	ug/l	100
16) Acetone	3.954	43	159862	277.034	ug/l	97
17) Carbon Disulfide	4.204	76	311016	51.436	ug/l	98
18) Methyl Acetate	4.485	43	109299	56.172	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	290909	55.098	ug/l	98
20) Methylene Chloride	4.722	84	106072	53.594	ug/l	91
21) trans-1,2-Dichloroethene	5.234	96	103841	51.806	ug/l	96
22) Diisopropyl ether	6.131	45	371459	54.004	ug/l	94
23) Vinyl Acetate	6.070	43	1158569	281.006	ug/l	99
24) 1,1-Dichloroethane	6.027	63	192419	52.108	ug/l	99
25) 2-Butanone	6.990	43	228786	284.624	ug/l	95
26) 2,2-Dichloropropane	6.990	77	169747	50.268	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	117711	52.435	ug/l	97
28) Bromochloromethane	7.344	49	82641	53.749	ug/l	100
29) Tetrahydrofuran	7.356	42	145699	286.961	ug/l	97
30) Chloroform	7.515	83	190114	51.611	ug/l	100
31) Cyclohexane	7.789	56	189404	48.389	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	172335	50.668	ug/l	99
36) 1,1-Dichloropropene	7.923	75	150539	50.234	ug/l	100
37) Ethyl Acetate	7.082	43	100084	57.329	ug/l	99
38) Carbon Tetrachloride	7.905	117	155134	49.025	ug/l	99
39) Methylcyclohexane	9.185	83	186409	49.522	ug/l	98
40) Benzene	8.167	78	433022	50.932	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	60702m	53.604	ug/l	
42) 1,2-Dichloroethane	8.246	62	143623	52.429	ug/l	97
43) Isopropyl Acetate	8.277	43	186587	55.725	ug/l	97
44) Trichloroethene	8.941	130	110878	50.495	ug/l	96
45) 1,2-Dichloropropane	9.222	63	107953	51.576	ug/l	99
46) Dibromomethane	9.313	93	59178	53.098	ug/l	97
47) Bromodichloromethane	9.502	83	148351	51.696	ug/l	99
48) Methyl methacrylate	9.295	41	86777	54.022	ug/l	94
49) 1,4-Dioxane	9.301	88	16194	1113.681	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	494906	284.662	ug/l	97
52) Toluene	10.246	92	270074	51.213	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	164619	52.613	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	181282	52.703	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	83230	53.073	ug/l	98
56) Ethyl methacrylate	10.514	69	132315	55.510	ug/l	93
57) 1,3-Dichloropropane	10.794	76	150370	52.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	310926	266.223	ug/l	100
59) 2-Hexanone	10.837	43	352476	284.653	ug/l	97
60) Dibromochloromethane	10.990	129	100445	52.719	ug/l	99
61) 1,2-Dibromoethane	11.093	107	78291	52.727	ug/l	100
64) Tetrachloroethene	10.721	164	108118	48.117	ug/l	98
65) Chlorobenzene	11.520	112	276975	50.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	103956	51.028	ug/l	98
67) Ethyl Benzene	11.593	91	528028	50.673	ug/l	100
68) m/p-Xylenes	11.703	106	397279	100.468	ug/l	100
69) o-Xylene	12.032	106	191693	51.329	ug/l	97
70) Styrene	12.044	104	329668	51.980	ug/l	99
71) Bromoform	12.209	173	66412	52.419	ug/l #	100
73) Isopropylbenzene	12.331	105	503176	50.099	ug/l	99
74) N-amyl acetate	12.142	43	169560	54.391	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	96243	53.058	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	67239m	49.338	ug/l	
77) Bromobenzene	12.611	156	118890	50.487	ug/l	99
78) n-propylbenzene	12.672	91	613427	49.617	ug/l	100
79) 2-Chlorotoluene	12.758	91	344944	50.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	419079	49.900	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	37495	54.067	ug/l	95
82) 4-Chlorotoluene	12.855	91	356434	50.374	ug/l	99
83) tert-Butylbenzene	13.075	119	357441	49.783	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	416180	50.186	ug/l	99
85) sec-Butylbenzene	13.251	105	542409	49.989	ug/l	100
86) p-Isopropyltoluene	13.367	119	458140	50.035	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	233465	50.040	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	229997	49.996	ug/l	99
89) n-Butylbenzene	13.696	91	432947	49.762	ug/l	99
90) Hexachloroethane	13.965	117	83107	49.979	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	206347	50.578	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17567	50.834	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	135112	50.117	ug/l	99
94) Hexachlorobutadiene	15.111	225	83651	47.563	ug/l	98
95) Naphthalene	15.239	128	276642	51.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	120440	50.405	ug/l	100

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

