

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092921\
 Data File : VY006204.D
 Acq On : 29 Sep 2021 11:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 6:19:17 PM

Quant Time: Sep 30 06:59:00 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	216919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	332724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	304979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	101762	43.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.660%
35) Dibromofluoromethane	7.722	113	80202	45.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.240%
50) Toluene-d8	10.185	98	331119	44.507	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.020%
62) 4-Bromofluorobenzene	12.483	95	111688	44.192	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	88947	40.425	ug/l	99
3) Chloromethane	2.119	50	111559	43.530	ug/l	97
4) Vinyl Chloride	2.259	62	128633	45.288	ug/l	98
5) Bromomethane	2.656	94	85755	46.457	ug/l	94
6) Chloroethane	2.802	64	77963	46.650	ug/l	98
7) Trichlorofluoromethane	3.131	101	173564	46.393	ug/l	95
8) Diethyl Ether	3.533	74	59868	48.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.911	101	96046	48.091	ug/l	96
10) Methyl Iodide	4.100	142	92014	42.275	ug/l	93
11) Tert butyl alcohol	4.954	59	47777	235.253	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	97733	48.105	ug/l	92
13) Acrolein	3.735	56	38536	266.414	ug/l	97
14) Allyl chloride	4.485	41	191566	49.031	ug/l	94
15) Acrylonitrile	5.167	53	161325	248.218	ug/l	99
16) Acetone	3.954	43	178173	274.770	ug/l	98
17) Carbon Disulfide	4.204	76	326421	48.040	ug/l	99
18) Methyl Acetate	4.478	43	108953	49.829	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	288942	48.700	ug/l	99
20) Methylene Chloride	4.722	84	107299	47.841	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	108410	48.130	ug/l	98
22) Diisopropyl ether	6.124	45	381625	49.373	ug/l	94
23) Vinyl Acetate	6.064	43	1137572	245.535	ug/l	99
24) 1,1-Dichloroethane	6.021	63	200347	48.281	ug/l	99
25) 2-Butanone	6.990	43	230008	254.640	ug/l	96
26) 2,2-Dichloropropane	6.984	77	179366	47.268	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	119761	47.475	ug/l	98
28) Bromochloromethane	7.338	49	88720	51.349	ug/l	100
29) Tetrahydrofuran	7.350	42	143082	250.780	ug/l	97
30) Chloroform	7.508	83	196132	47.382	ug/l	99
31) Cyclohexane	7.789	56	202066	45.940	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	177666	46.484	ug/l	98
36) 1,1-Dichloropropene	7.923	75	157300	47.517	ug/l	99
37) Ethyl Acetate	7.076	43	96950	50.272	ug/l	99
38) Carbon Tetrachloride	7.905	117	160403	45.887	ug/l	98
39) Methylcyclohexane	9.185	83	199205	47.907	ug/l	97
40) Benzene	8.167	78	444295	47.306	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	64171m	51.297	ug/l	
42) 1,2-Dichloroethane	8.240	62	141618	46.799	ug/l	96
43) Isopropyl Acetate	8.277	43	181828	49.158	ug/l	97
44) Trichloroethene	8.941	130	116330	47.958	ug/l	96
45) 1,2-Dichloropropane	9.215	63	111356	48.161	ug/l	97
46) Dibromomethane	9.307	93	59433	48.274	ug/l	99
47) Bromodichloromethane	9.502	83	151012	47.637	ug/l	99
48) Methyl methacrylate	9.295	41	85989	48.459	ug/l	93
49) 1,4-Dioxane	9.295	88	15304	952.748	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	482314	251.132	ug/l	96
52) Toluene	10.246	92	278449	47.798	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	163656	47.349	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	181346	47.726	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	84165	48.584	ug/l	98
56) Ethyl methacrylate	10.514	69	131027	49.761	ug/l	91
57) 1,3-Dichloropropane	10.794	76	150054	47.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	309998	240.278	ug/l	100
59) 2-Hexanone	10.831	43	357285	261.197	ug/l	96
60) Dibromochloromethane	10.983	129	101895	48.413	ug/l	100
61) 1,2-Dibromoethane	11.093	107	77671	47.353	ug/l	100
64) Tetrachloroethene	10.721	164	127077	51.738	ug/l	97
65) Chlorobenzene	11.520	112	282701	46.784	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	104648	46.993	ug/l	98
67) Ethyl Benzene	11.593	91	543899	47.751	ug/l	100
68) m/p-Xylenes	11.703	106	409249	94.681	ug/l	100
69) o-Xylene	12.032	106	192999	47.277	ug/l	97
70) Styrene	12.044	104	330569	47.683	ug/l	99
71) Bromoform	12.209	173	64908	46.869	ug/l #	99
73) Isopropylbenzene	12.331	105	514731	52.577	ug/l	99
74) N-amyl acetate	12.142	43	167630	55.166	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	92018	52.043	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	66460m	50.030	ug/l	
77) Bromobenzene	12.611	156	118238	51.511	ug/l	100
78) n-propylbenzene	12.672	91	634350	52.639	ug/l	100
79) 2-Chlorotoluene	12.757	91	350921	52.624	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	428504	52.345	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	35987	53.237	ug/l	93
82) 4-Chlorotoluene	12.855	91	360841	52.318	ug/l	99
83) tert-Butylbenzene	13.074	119	342033	48.871	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	385510	47.692	ug/l	100
85) sec-Butylbenzene	13.257	105	505393	47.784	ug/l	100
86) p-Isopropyltoluene	13.373	119	430324	48.216	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	214120	47.083	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	211691	47.209	ug/l	98
89) n-Butylbenzene	13.696	91	403247	47.550	ug/l	99
90) Hexachloroethane	13.965	117	74836	46.172	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	186755	46.962	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15819	46.962	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	125622	47.805	ug/l	99
94) Hexachlorobutadiene	15.111	225	80770	47.115	ug/l	99
95) Naphthalene	15.239	128	245624	47.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	108827	46.725	ug/l	99

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

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