

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092321\
 Data File : VY006115.D
 Acq On : 23 Sep 2021 11:00
 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
 9/24/2021 6:56:26 PM

Quant Time: Sep 24 07:25:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	136657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	201463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	186665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82115	43.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.520%		
35) Dibromofluoromethane	7.722	113	60674	48.488	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.980%		
50) Toluene-d8	10.179	98	259899	48.732	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.460%		
62) 4-Bromofluorobenzene	12.483	95	87671	48.418	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	64798	44.886	ug/l	99
3) Chloromethane	2.119	50	78495	43.726	ug/l	97
4) Vinyl Chloride	2.260	62	95324	47.030	ug/l	98
5) Bromomethane	2.650	94	64397	48.972	ug/l	97
6) Chloroethane	2.796	64	59282	48.771	ug/l	99
7) Trichlorofluoromethane	3.131	101	132442	50.125	ug/l	94
8) Diethyl Ether	3.534	74	41614	47.908	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	68181	51.684	ug/l	98
10) Methyl Iodide	4.101	142	68259	48.878	ug/l	96
11) Tert butyl alcohol	4.954	59	63283	216.085	ug/l	96
12) 1,1-Dichloroethene	3.881	96	67816	49.701	ug/l	93
13) Acrolein	3.729	56	28341	248.473	ug/l	99
14) Allyl chloride	4.485	41	131116	45.016	ug/l	99
15) Acrylonitrile	5.168	53	112204	226.780	ug/l	100
16) Acetone	3.954	43	140599	270.046	ug/l	97
17) Carbon Disulfide	4.198	76	215510	47.293	ug/l	100
18) Methyl Acetate	4.479	43	55344	42.199	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	207747	47.226	ug/l	97
20) Methylene Chloride	4.722	84	82450	50.834	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	76362	49.908	ug/l	98
22) Diisopropyl ether	6.125	45	251608	44.455	ug/l	95
23) Vinyl Acetate	6.064	43	787408	220.483	ug/l	97
24) 1,1-Dichloroethane	6.027	63	137392	47.380	ug/l	98
25) 2-Butanone	6.990	43	165770	231.006	ug/l	95
26) 2,2-Dichloropropane	6.984	77	139637	50.832	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	85317	49.981	ug/l	97
28) Bromochloromethane	7.338	49	59587	46.778	ug/l #	90
29) Tetrahydrofuran	7.350	42	96086	213.046	ug/l	93
30) Chloroform	7.509	83	144640	49.748	ug/l	97
31) Cyclohexane	7.783	56	135825	44.667	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	137845	50.495	ug/l	99
36) 1,1-Dichloropropene	7.923	75	111760	51.396	ug/l	99
37) Ethyl Acetate	7.076	43	65485	43.594	ug/l	98
38) Carbon Tetrachloride	7.905	117	126831	53.578	ug/l	99
39) Methylcyclohexane	9.185	83	141733	52.589	ug/l	95
40) Benzene	8.167	78	319425	51.226	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	37605m	42.863	ug/l	
42) 1,2-Dichloroethane	8.240	62	106783	48.425	ug/l	97
43) Isopropyl Acetate	8.277	43	126700	45.282	ug/l	97
44) Trichloroethene	8.941	130	84205	54.190	ug/l	95
45) 1,2-Dichloropropane	9.216	63	74767	48.470	ug/l	99
46) Dibromomethane	9.307	93	41725	49.974	ug/l	95
47) Bromodichloromethane	9.502	83	108923	50.683	ug/l	98
48) Methyl methacrylate	9.295	41	59253	45.830	ug/l	96
49) 1,4-Dioxane	9.295	88	11167	969.144	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	333698	223.711	ug/l	97
52) Toluene	10.246	92	203050	52.843	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	120242	50.935	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	127071	49.909	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	58390	50.892	ug/l	99
56) Ethyl methacrylate	10.514	69	90450	49.314	ug/l	95
57) 1,3-Dichloropropane	10.795	76	104878	49.595	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	232292	241.925	ug/l	96
59) 2-Hexanone	10.831	43	247866	240.698	ug/l	96
60) Dibromochloromethane	10.990	129	75459	53.345	ug/l	100
61) 1,2-Dibromoethane	11.093	107	55945	51.624	ug/l	99
64) Tetrachloroethene	10.721	164	85584	56.056	ug/l	98
65) Chlorobenzene	11.514	112	211654	52.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	78583	52.787	ug/l	99
67) Ethyl Benzene	11.593	91	402870	53.065	ug/l	100
68) m/p-Xylenes	11.703	106	311385	108.164	ug/l	97
69) o-Xylene	12.032	106	147480	54.240	ug/l	96
70) Styrene	12.044	104	252917	54.299	ug/l	99
71) Bromoform	12.209	173	51070	54.789	ug/l #	98
73) Isopropylbenzene	12.331	105	397195	52.415	ug/l	100
74) N-amyl acetate	12.142	43	116618	44.565	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	66729	47.328	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	47228m	45.774	ug/l	
77) Bromobenzene	12.611	156	90823	51.365	ug/l	95
78) n-propylbenzene	12.672	91	484868	51.714	ug/l	99
79) 2-Chlorotoluene	12.758	91	265356	52.053	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	333355	53.042	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	26558	47.324	ug/l	99
82) 4-Chlorotoluene	12.855	91	273665	51.936	ug/l	99
83) tert-Butylbenzene	13.075	119	289738	53.902	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	331800	53.214	ug/l	99
85) sec-Butylbenzene	13.251	105	431377	53.610	ug/l	99
86) p-Isopropyltoluene	13.373	119	369780	53.828	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	186071	54.564	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	181987	53.205	ug/l	98
89) n-Butylbenzene	13.696	91	343635	53.492	ug/l	99
90) Hexachloroethane	13.965	117	65042	52.612	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	160512	53.620	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12769	45.650	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	109171	56.158	ug/l	99
94) Hexachlorobutadiene	15.111	225	71562	56.896	ug/l	99
95) Naphthalene	15.239	128	207823	53.751	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	93595	55.559	ug/l	99

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

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