

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040821\
 Data File : VY004325.D
 Acq On : 08 Apr 2021 10:28
 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
 4/9/2021 9:58:49 AM

Quant Time: Apr 08 13:12:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	174777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	278875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	247370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113954	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83219	49.53	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.06%		
35) Dibromofluoromethane	7.728	113	71895	46.27	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.54%		
50) Toluene-d8	10.185	98	289954	49.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.22%		
62) 4-Bromofluorobenzene	12.483	95	99030	49.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.88%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	72866	48.14	ug/l	98
3) Chloromethane	2.119	50	106087	51.92	ug/l	99
4) Vinyl Chloride	2.259	62	116888	51.33	ug/l	98
5) Bromomethane	2.656	94	53858	43.00	ug/l	94
6) Chloroethane	2.802	64	71395	48.36	ug/l	99
7) Trichlorofluoromethane	3.131	101	145904	49.30	ug/l	97
8) Diethyl Ether	3.540	74	49617	52.25	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	83295	51.70	ug/l	98
10) Methyl Iodide	4.101	142	92530	49.70	ug/l	100
11) Tert butyl alcohol	4.978	59	41964	306.93	ug/l	97
12) 1,1-Dichloroethene	3.881	96	80535	50.94	ug/l	91
13) Acrolein	3.735	56	24553	220.34	ug/l	98
14) Allyl chloride	4.491	41	155144	61.59	ug/l	94
15) Acrylonitrile	5.174	53	132532	293.23	ug/l	98
16) Acetone	3.960	43	78707	224.85	ug/l	97
17) Carbon Disulfide	4.204	76	234471	56.40	ug/l	99
18) Methyl Acetate	4.491	43	67474	60.22	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	245999	52.68	ug/l	97
20) Methylene Chloride	4.729	84	91814	53.71	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	93038	52.42	ug/l	93
22) Diisopropyl ether	6.131	45	336790	60.88	ug/l	96
23) Vinyl Acetate	6.070	43	1091362	293.28	ug/l	97
24) 1,1-Dichloroethane	6.027	63	172077	57.09	ug/l	99
25) 2-Butanone	6.996	43	161559	276.28	ug/l	95
26) 2,2-Dichloropropane	6.990	77	158579	56.22	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	104846	52.17	ug/l	94
28) Bromochloromethane	7.344	49	72007	58.77	ug/l	88
29) Tetrahydrofuran	7.356	42	122217	296.65	ug/l	92
30) Chloroform	7.515	83	167975	52.38	ug/l	100
31) Cyclohexane	7.789	56	164523	55.41	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	150586	51.32	ug/l	98
36) 1,1-Dichloropropene	7.923	75	135417	53.19	ug/l	98
37) Ethyl Acetate	7.088	43	80993	54.23	ug/l	98
38) Carbon Tetrachloride	7.911	117	123969	56.00	ug/l	98
39) Methylcyclohexane	9.191	83	167223	53.05	ug/l	97
40) Benzene	8.167	78	386220	53.52	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	45169m	54.59	ug/l	
42) 1,2-Dichloroethane	8.246	62	117573	51.84	ug/l	100
43) Isopropyl Acetate	8.283	43	162364	57.42	ug/l	97
44) Trichloroethene	8.947	130	105407	45.88	ug/l	95
45) 1,2-Dichloropropane	9.222	63	100729	56.48	ug/l	97
46) Dibromomethane	9.307	93	52614	50.17	ug/l	95
47) Bromodichloromethane	9.502	83	132899	53.12	ug/l	99
48) Methyl methacrylate	9.301	41	74246	57.81	ug/l	95
49) 1,4-Dioxane	9.307	88	13156	1165.58	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	416898	289.38	ug/l	97
52) Toluene	10.246	92	243400	52.46	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	143146	53.66	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	161573	54.20	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	72919	50.76	ug/l	98
56) Ethyl methacrylate	10.514	69	106996	54.28	ug/l	95
57) 1,3-Dichloropropane	10.794	76	130862	52.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	193915	229.95	ug/l	95
59) 2-Hexanone	10.837	43	276412	279.08	ug/l	97
60) Dibromochloromethane	10.990	129	88012	51.10	ug/l	100
61) 1,2-Dibromoethane	11.093	107	70204	49.52	ug/l	100
64) Tetrachloroethene	10.721	164	104933	43.11	ug/l	99
65) Chlorobenzene	11.520	112	250642	50.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	90542	51.23	ug/l	99
67) Ethyl Benzene	11.593	91	474100	52.92	ug/l	99
68) m/p-Xylenes	11.703	106	355110	103.23	ug/l	99
69) o-Xylene	12.032	106	163593	50.83	ug/l	98
70) Styrene	12.050	104	278056	51.93	ug/l	100
71) Bromoform	12.209	173	51594	51.27	ug/l #	99
73) Isopropylbenzene	12.331	105	450531	54.12	ug/l	98
74) N-amyl acetate	12.148	43	145460	59.78	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	82972	53.84	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	61602m	59.53	ug/l	
77) Bromobenzene	12.611	156	98605	50.59	ug/l	92
78) n-propylbenzene	12.672	91	538882	55.95	ug/l	98
79) 2-Chlorotoluene	12.758	91	291498	55.08	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	367525	54.12	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	32568	58.01	ug/l	96
82) 4-Chlorotoluene	12.855	91	304362	54.65	ug/l	98
83) tert-Butylbenzene	13.081	119	319823	54.50	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	366106	53.74	ug/l	99
85) sec-Butylbenzene	13.257	105	446970	55.33	ug/l	98
86) p-Isopropyltoluene	13.373	119	403407	53.68	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	186221	51.21	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	185518	51.64	ug/l	99
89) n-Butylbenzene	13.703	91	390039	56.44	ug/l	98
90) Hexachloroethane	13.965	117	56327	79.42	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	164323	50.34	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13252	46.09	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	111848	48.21	ug/l	99
94) Hexachlorobutadiene	15.111	225	58658	47.55	ug/l	99
95) Naphthalene	15.239	128	230312	46.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	95029	44.83	ug/l	99

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

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