

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032321\
 Data File : VY004174.D
 Acq On : 23 Mar 2021 13:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/24/2021 6:16:38 PM

Quant Time: Mar 24 01:19:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	197370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	311219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	280649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141418	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94469	48.50	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.00%		
35) Dibromofluoromethane	7.728	113	89618	51.06	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.12%		
50) Toluene-d8	10.185	98	329245	47.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.70%		
62) 4-Bromofluorobenzene	12.483	95	118932	46.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	62285	45.26	ug/l	96
3) Chloromethane	2.119	50	88174	46.26	ug/l	97
4) Vinyl Chloride	2.259	62	103337	43.32	ug/l	99
5) Bromomethane	2.662	94	70850	46.49	ug/l	97
6) Chloroethane	2.802	64	67516	46.48	ug/l	100
7) Trichlorofluoromethane	3.137	101	160656	50.68	ug/l	98
8) Diethyl Ether	3.540	74	52465	51.63	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.912	101	91091	51.37	ug/l	97
10) Methyl Iodide	4.107	142	92803	51.21	ug/l	98
11) Tert butyl alcohol	4.972	59	40481	229.87	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	85480	49.26	ug/l	97
13) Acrolein	3.741	56	29121	166.70	ug/l	97
14) Allyl chloride	4.491	41	128641	44.82	ug/l #	88
15) Acrylonitrile	5.180	53	123558	244.66	ug/l	100
16) Acetone	3.960	43	98482	209.47	ug/l	94
17) Carbon Disulfide	4.204	76	223641	43.83	ug/l	99
18) Methyl Acetate	4.491	43	60678	52.24	ug/l	92
19) Methyl tert-butyl Ether	5.228	73	257077	52.03	ug/l	100
20) Methylene Chloride	4.729	84	96814	51.33	ug/l	92
21) trans-1,2-Dichloroethene	5.235	96	97774	50.15	ug/l	95
22) Diisopropyl ether	6.131	45	294463	48.61	ug/l	97
23) Vinyl Acetate	6.076	43	945450	237.06	ug/l #	95
24) 1,1-Dichloroethane	6.033	63	169906	50.51	ug/l	99
25) 2-Butanone	6.996	43	157736	232.74	ug/l	92
26) 2,2-Dichloropropane	6.996	77	156729	48.78	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	115564	52.07	ug/l	92
28) Bromochloromethane	7.350	49	70907	48.27	ug/l	86
29) Tetrahydrofuran	7.356	42	104195	236.66	ug/l	92
30) Chloroform	7.515	83	182455	52.35	ug/l	98
31) Cyclohexane	7.795	56	148565	43.48	ug/l	88
32) 1,1,1-Trichloroethane	7.710	97	170341	52.68	ug/l	98
36) 1,1-Dichloropropene	7.923	75	135375	49.51	ug/l	97
37) Ethyl Acetate	7.082	43	73322	49.78	ug/l	97
38) Carbon Tetrachloride	7.911	117	153125	52.79	ug/l	98
39) Methylcyclohexane	9.185	83	172013	48.70	ug/l	92
40) Benzene	8.167	78	396493	51.48	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	47075m	51.58	ug/l	
42) 1,2-Dichloroethane	8.246	62	123268	52.36	ug/l	97
43) Isopropyl Acetate	8.283	43	143106	48.42	ug/l	96
44) Trichloroethene	8.947	130	121116	54.30	ug/l	98
45) 1,2-Dichloropropane	9.222	63	98627	51.29	ug/l	97
46) Dibromomethane	9.313	93	58504	53.21	ug/l	97
47) Bromodichloromethane	9.502	83	147542	53.76	ug/l	97
48) Methyl methacrylate	9.295	41	65500	46.65	ug/l	88
49) 1,4-Dioxane	9.301	88	14812	1058.34	ug/l #	83
51) 4-Methyl-2-Pentanone	10.075	43	368931	246.50	ug/l	96
52) Toluene	10.246	92	260952	52.32	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	148262	51.20	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	167933	51.76	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	84135	54.42	ug/l	96
56) Ethyl methacrylate	10.514	69	108970	50.42	ug/l	92
57) 1,3-Dichloropropane	10.794	76	139475	52.68	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	201074	236.77	ug/l	94
59) 2-Hexanone	10.837	43	253649	241.21	ug/l	98
60) Dibromochloromethane	10.990	129	108695	56.00	ug/l	98
61) 1,2-Dibromoethane	11.093	107	80999	53.80	ug/l	99
64) Tetrachloroethene	10.721	164	136200	57.97	ug/l	96
65) Chlorobenzene	11.520	112	288081	53.57	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	110066	54.71	ug/l	98
67) Ethyl Benzene	11.599	91	512172	51.87	ug/l	97
68) m/p-Xylenes	11.709	106	391632	104.00	ug/l	95
69) o-Xylene	12.032	106	187739	52.74	ug/l	95
70) Styrene	12.050	104	321055	52.67	ug/l	98
71) Bromoform	12.215	173	66692	55.40	ug/l #	100
73) Isopropylbenzene	12.331	105	516374	52.54	ug/l	99
74) N-amyl acetate	12.148	43	131173	46.60	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	84389	49.42	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	68140m	50.25	ug/l	
77) Bromobenzene	12.611	156	122798	54.08	ug/l	96
78) n-propylbenzene	12.672	91	589151	50.88	ug/l	97
79) 2-Chlorotoluene	12.758	91	330912	50.90	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	431050	51.71	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	32489	47.29	ug/l	96
82) 4-Chlorotoluene	12.855	91	345237	50.17	ug/l	96
83) tert-Butylbenzene	13.081	119	373885	52.13	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	433658	51.94	ug/l	97
85) sec-Butylbenzene	13.257	105	509096	51.48	ug/l	98
86) p-Isopropyltoluene	13.373	119	472299	51.51	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	232981	53.15	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	233184	53.30	ug/l	98
89) n-Butylbenzene	13.696	91	437035	50.09	ug/l	99
90) Hexachloroethane	13.965	117	85847	52.10	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	211008	54.28	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15556	48.22	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	142775	54.15	ug/l	98
94) Hexachlorobutadiene	15.117	225	77499	52.43	ug/l	98
95) Naphthalene	15.239	128	281524	53.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	122369	55.20	ug/l	99

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

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