

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031621\
 Data File : VY004092.D
 Acq On : 16 Mar 2021 14:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 11:46:29 AM

Quant Time: Mar 17 01:39:49 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	225919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	352763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	319295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	109587	49.15	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.30%			
35) Dibromofluoromethane	7.734	113	105703	53.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.28%			
50) Toluene-d8	10.185	98	393896	50.51	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.02%			
62) 4-Bromofluorobenzene	12.483	95	145047	50.36	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	74965	47.88	ug/l	97
3) Chloromethane	2.119	50	100262	45.92	ug/l	98
4) Vinyl Chloride	2.260	62	121254	44.41	ug/l	99
5) Bromomethane	2.656	94	80375	46.08	ug/l	99
6) Chloroethane	2.802	64	77460	46.59	ug/l	99
7) Trichlorofluoromethane	3.137	101	173359	47.77	ug/l	97
8) Diethyl Ether	3.540	74	58311	50.13	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.912	101	99765	49.15	ug/l	98
10) Methyl Iodide	4.107	142	112211	54.10	ug/l	99
11) Tert butyl alcohol	4.966	59	48979	242.98	ug/l #	95
12) 1,1-Dichloroethene	3.887	96	95214	47.94	ug/l	94
13) Acrolein	3.741	56	54841	274.27	ug/l	100
14) Allyl chloride	4.497	41	145831	44.39	ug/l #	90
15) Acrylonitrile	5.186	53	139880	241.98	ug/l	99
16) Acetone	3.961	43	109408	203.31	ug/l	91
17) Carbon Disulfide	4.210	76	259262	44.39	ug/l	99
18) Methyl Acetate	4.491	43	64321	48.38	ug/l #	90
19) Methyl tert-butyl Ether	5.241	73	286681	50.69	ug/l	98
20) Methylene Chloride	4.729	84	107906	49.84	ug/l	91
21) trans-1,2-Dichloroethene	5.235	96	108955	48.82	ug/l	95
22) Diisopropyl ether	6.137	45	325891	47.00	ug/l	96
23) Vinyl Acetate	6.076	43	1079923	236.56	ug/l	96
24) 1,1-Dichloroethane	6.039	63	186080	48.33	ug/l	99
25) 2-Butanone	7.003	43	179716	231.66	ug/l	91
26) 2,2-Dichloropropane	6.997	77	174702	47.50	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	126526	49.80	ug/l	92
28) Bromochloromethane	7.350	49	77460	46.07	ug/l	86
29) Tetrahydrofuran	7.362	42	118355	234.85	ug/l	91
30) Chloroform	7.521	83	200544	50.27	ug/l	94
31) Cyclohexane	7.795	56	166690	42.62	ug/l	88
32) 1,1,1-Trichloroethane	7.716	97	185817	50.20	ug/l	99
36) 1,1-Dichloropropene	7.929	75	150643	48.61	ug/l	97
37) Ethyl Acetate	7.088	43	79414	47.57	ug/l #	98
38) Carbon Tetrachloride	7.911	117	169345	51.50	ug/l	97
39) Methylcyclohexane	9.191	83	191216	47.77	ug/l	91
40) Benzene	8.173	78	438917	50.28	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	49299m	47.66	ug/l	
42) 1,2-Dichloroethane	8.246	62	137251	51.44	ug/l	97
43) Isopropyl Acetate	8.283	43	163621	48.84	ug/l	98
44) Trichloroethene	8.947	130	137202	54.27	ug/l	99
45) 1,2-Dichloropropane	9.228	63	109391	50.19	ug/l	98
46) Dibromomethane	9.313	93	65188	52.31	ug/l	98
47) Bromodichloromethane	9.502	83	160723	51.66	ug/l	98
48) Methyl methacrylate	9.295	41	75377	47.36	ug/l	88
49) 1,4-Dioxane	9.307	88	16416	1034.81	ug/l #	89
51) 4-Methyl-2-Pentanone	10.075	43	418527	246.70	ug/l	96
52) Toluene	10.252	92	289535	51.21	ug/l	95
53) t-1,3-Dichloropropene	10.472	75	166885	50.85	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	187653	51.03	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	92993	53.06	ug/l	96
56) Ethyl methacrylate	10.514	69	125772	51.34	ug/l	92
57) 1,3-Dichloropropane	10.795	76	156002	51.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	241299	251.84	ug/l	94
59) 2-Hexanone	10.837	43	291435	244.51	ug/l	97
60) Dibromochloromethane	10.990	129	120139	54.60	ug/l	100
61) 1,2-Dibromoethane	11.093	107	91284	53.49	ug/l	98
64) Tetrachloroethene	10.728	164	151372	56.63	ug/l	97
65) Chlorobenzene	11.520	112	318564	52.06	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	121304	53.00	ug/l	99
67) Ethyl Benzene	11.599	91	567799	50.54	ug/l	96
68) m/p-Xylenes	11.709	106	435799	101.72	ug/l	95
69) o-Xylene	12.032	106	207164	51.15	ug/l	95
70) Styrene	12.051	104	354889	51.17	ug/l	98
71) Bromoform	12.215	173	74917	54.70	ug/l #	99
73) Isopropylbenzene	12.337	105	567933	50.70	ug/l	99
74) N-amyl acetate	12.148	43	149845	46.71	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	91016	46.77	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	76133m	49.26	ug/l	
77) Bromobenzene	12.611	156	137307	53.06	ug/l	96
78) n-propylbenzene	12.672	91	657426	49.82	ug/l	97
79) 2-Chlorotoluene	12.758	91	368853	49.79	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	477503	50.26	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	38651	49.36	ug/l	98
82) 4-Chlorotoluene	12.861	91	391311	49.90	ug/l	97
83) tert-Butylbenzene	13.081	119	415502	50.83	ug/l	99
84) 1,2,4-Trimethylbenzene	13.124	105	480473	50.50	ug/l	97
85) sec-Butylbenzene	13.258	105	575430	51.05	ug/l	99
86) p-Isopropyltoluene	13.373	119	538401	51.52	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	262883	52.62	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	262199	52.59	ug/l	99
89) n-Butylbenzene	13.703	91	491640	49.44	ug/l	99
90) Hexachloroethane	13.965	117	97511	51.93	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	236102	53.29	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18836	51.23	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	161729	53.82	ug/l	98
94) Hexachlorobutadiene	15.117	225	89324	53.02	ug/l	99
95) Naphthalene	15.239	128	328110	55.11	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	139014	55.02	ug/l	99

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

