

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040821\
 Data File : VY004349.D
 Acq On : 08 Apr 2021 20:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/9/2021 9:59:09 AM

Quant Time: Apr 09 03:20:22 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	168272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110366	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	68186	42.15	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.30%		
35) Dibromofluoromethane	7.728	113	60245	39.24	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.48%		
50) Toluene-d8	10.185	98	233188	40.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.76%		
62) 4-Bromofluorobenzene	12.483	95	78780	39.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.60%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	66958	45.95	ug/l	100
3) Chloromethane	2.119	50	97554	49.59	ug/l	99
4) Vinyl Chloride	2.260	62	103657	47.28	ug/l	98
5) Bromomethane	2.656	94	49984	41.45	ug/l	96
6) Chloroethane	2.802	64	67091	47.21	ug/l	96
7) Trichlorofluoromethane	3.137	101	140315	49.25	ug/l	98
8) Diethyl Ether	3.540	74	46191	50.52	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	78709	50.74	ug/l	98
10) Methyl Iodide	4.107	142	87241	48.67	ug/l	99
11) Tert butyl alcohol	4.985	59	33047	251.06	ug/l	97
12) 1,1-Dichloroethene	3.887	96	75886	49.86	ug/l	96
13) Acrolein	3.741	56	19969	182.09	ug/l	97
14) Allyl chloride	4.491	41	144308	59.51	ug/l	95
15) Acrylonitrile	5.180	53	113272	260.31	ug/l	99
16) Acetone	3.960	43	86795	257.54	ug/l	95
17) Carbon Disulfide	4.204	76	219213	54.77	ug/l	100
18) Methyl Acetate	4.491	43	57680	53.47	ug/l	97
19) Methyl tert-butyl Ether	5.241	73	228024	50.71	ug/l	98
20) Methylene Chloride	4.735	84	92075	56.06	ug/l	92
21) trans-1,2-Dichloroethene	5.235	96	87964	51.48	ug/l	92
22) Diisopropyl ether	6.137	45	317620	59.63	ug/l	94
23) Vinyl Acetate	6.076	43	976012	272.42	ug/l	97
24) 1,1-Dichloroethane	6.033	63	164955	56.84	ug/l	99
25) 2-Butanone	7.003	43	146098	259.50	ug/l	98
26) 2,2-Dichloropropane	6.996	77	137832	50.76	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	99349	51.35	ug/l	94
28) Bromochloromethane	7.344	49	66027	55.97	ug/l	89
29) Tetrahydrofuran	7.362	42	101116	254.92	ug/l	93
30) Chloroform	7.521	83	162174	52.52	ug/l	98
31) Cyclohexane	7.795	56	150495	52.64	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	147015	52.04	ug/l	98
36) 1,1-Dichloropropene	7.929	75	126575	50.32	ug/l	98
37) Ethyl Acetate	7.088	43	68081	46.13	ug/l	98
38) Carbon Tetrachloride	7.911	117	119268	54.52	ug/l	99
39) Methylcyclohexane	9.191	83	155127	49.81	ug/l	98
40) Benzene	8.173	78	366358	51.38	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	35344m	43.23	ug/l	
42) 1,2-Dichloroethane	8.246	62	110104	49.13	ug/l	99
43) Isopropyl Acetate	8.283	43	142054	50.84	ug/l	98
44) Trichloroethene	8.947	130	101107	44.53	ug/l	97
45) 1,2-Dichloropropane	9.222	63	95419	54.14	ug/l	99
46) Dibromomethane	9.313	93	49284	47.56	ug/l	95
47) Bromodichloromethane	9.502	83	126514	51.18	ug/l	99
48) Methyl methacrylate	9.301	41	65764	51.82	ug/l	96
49) 1,4-Dioxane	9.307	88	10434	940.88	ug/l #	77
51) 4-Methyl-2-Pentanone	10.075	43	357185	250.90	ug/l	97
52) Toluene	10.246	92	229522	50.07	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	129705	49.20	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	149412	50.73	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	68237	48.07	ug/l	98
56) Ethyl methacrylate	10.514	69	95811	49.19	ug/l	94
57) 1,3-Dichloropropane	10.795	76	121397	49.56	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	185471	222.57	ug/l	95
59) 2-Hexanone	10.837	43	236695	241.85	ug/l	98
60) Dibromochloromethane	10.990	129	82340	48.38	ug/l	100
61) 1,2-Dibromoethane	11.093	107	64502	46.04	ug/l	99
64) Tetrachloroethene	10.721	164	98529	41.30	ug/l	99
65) Chlorobenzene	11.520	112	235202	48.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	85921	49.60	ug/l	99
67) Ethyl Benzene	11.599	91	442664	50.41	ug/l	100
68) m/p-Xylenes	11.709	106	328944	97.56	ug/l	97
69) o-Xylene	12.032	106	154341	48.92	ug/l	97
70) Styrene	12.050	104	257434	49.05	ug/l	99
71) Bromoform	12.215	173	46735	47.38	ug/l #	97
73) Isopropylbenzene	12.331	105	420839	52.19	ug/l	99
74) N-amyl acetate	12.148	43	127600	54.15	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	72099	48.31	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	52255m	52.14	ug/l	
77) Bromobenzene	12.611	156	91670	48.56	ug/l	94
78) n-propylbenzene	12.672	91	490653	52.60	ug/l	98
79) 2-Chlorotoluene	12.758	91	268818	52.45	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	343949	52.29	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	27768	51.07	ug/l	93
82) 4-Chlorotoluene	12.855	91	280022	51.91	ug/l	97
83) tert-Butylbenzene	13.081	119	296218	52.12	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	340462	51.60	ug/l	99
85) sec-Butylbenzene	13.258	105	405429	51.82	ug/l	99
86) p-Isopropyltoluene	13.373	119	364281	50.05	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	170912	48.53	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	169049	48.59	ug/l	99
89) n-Butylbenzene	13.703	91	340446	50.86	ug/l	99
90) Hexachloroethane	13.965	117	52035	76.09	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	151263	47.85	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11682	41.95	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	94709	42.15	ug/l	99
94) Hexachlorobutadiene	15.111	225	50955	42.64	ug/l	99
95) Naphthalene	15.239	128	198295	41.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	83131	40.49	ug/l	99

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

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