

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030321\
 Data File : VY004055.D
 Acq On : 03 Mar 2021 12:46
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/4/2021 2:04:55 PM

Quant Time: Mar 03 12:58:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 03 12:55:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	172907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	256965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122277	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	78915	42.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.92%		
35) Dibromofluoromethane	7.721	113	81165	52.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.22%		
50) Toluene-d8	10.178	98	348296	55.65	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.30%		
62) 4-Bromofluorobenzene	12.477	95	105865	49.15	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.905	85	56939	35.73	ug/l	98
3) Chloromethane	2.113	50	69461	29.95	ug/l	99
4) Vinyl Chloride	2.253	62	83582	36.50	ug/l	98
5) Bromomethane	2.649	94	59652	38.47	ug/l	99
6) Chloroethane	2.796	64	53460	38.67	ug/l	100
7) Trichlorofluoromethane	3.131	101	139152	47.05	ug/l	99
8) Diethyl Ether	3.533	74	42208	45.15	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	75884	48.17	ug/l	98
10) Methyl Iodide	4.094	142	97112	49.59	ug/l	97
11) Tert butyl alcohol	4.954	59	32179	117.18	ug/l	99
12) 1,1-Dichloroethene	3.875	96	73685	46.89	ug/l	87
13) Acrolein	3.728	56	35804	195.24	ug/l	100
14) Allyl chloride	4.484	41	106040	36.95	ug/l #	92
15) Acrylonitrile	5.173	53	101963	209.06	ug/l	98
16) Acetone	3.954	43	84122	180.91	ug/l #	89
17) Carbon Disulfide	4.198	76	239247	47.10	ug/l	98
18) Methyl Acetate	4.478	43	42804	38.83	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	203755	44.33	ug/l	99
20) Methylene Chloride	4.728	84	87402	44.67	ug/l #	86
21) trans-1,2-Dichloroethene	5.228	96	86608	48.68	ug/l	90
22) Diisopropyl ether	6.124	45	238639	41.55	ug/l	97
23) Vinyl Acetate	6.063	43	767222	198.19	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	138539	44.62	ug/l	99
25) 2-Butanone	6.990	43	143280	210.93	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	143339	48.89	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	111689	55.50	ug/l	86
28) Bromochloromethane	7.337	49	62160	45.07	ug/l #	79
29) Tetrahydrofuran	7.350	42	83220	192.60	ug/l #	87
30) Chloroform	7.508	83	148838	46.79	ug/l	100
31) Cyclohexane	7.782	56	125096	39.88	ug/l	88
32) 1,1,1-Trichloroethane	7.703	97	136463	46.63	ug/l	98
36) 1,1-Dichloropropene	7.923	75	114434	45.35	ug/l	96
37) Ethyl Acetate	7.081	43	62802	42.31	ug/l #	93
38) Carbon Tetrachloride	7.904	117	126167	47.97	ug/l	96
39) Methylcyclohexane	9.185	83	148388	48.31	ug/l	88
40) Benzene	8.160	78	337859	47.84	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	31660m	41.32	ug/l	
42) 1,2-Dichloroethane	8.240	62	95902	42.10	ug/l	95
43) Isopropyl Acetate	8.270	43	109648	39.87	ug/l #	94
44) Trichloroethene	8.941	130	102388	51.72	ug/l	96
45) 1,2-Dichloropropane	9.215	63	82444	47.84	ug/l	100
46) Dibromomethane	9.300	93	48342	49.61	ug/l	97
47) Bromodichloromethane	9.496	83	117981	47.72	ug/l	99
48) Methyl methacrylate	9.288	41	52204	38.73	ug/l	92
49) 1,4-Dioxane	9.294	88	12423	1051.79	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	288438	202.04	ug/l	93
52) Toluene	10.239	92	247358	54.55	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	138241	51.24	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	140251	47.24	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	79268	55.94	ug/l	98
56) Ethyl methacrylate	10.508	69	101298	51.22	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	129988	52.48	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	181224	203.98	ug/l	92
59) 2-Hexanone	10.831	43	216803	213.53	ug/l	90
60) Dibromochloromethane	10.983	129	100793	56.32	ug/l	98
61) 1,2-Dibromoethane	11.087	107	75050	54.26	ug/l	98
64) Tetrachloroethene	10.715	164	124197	53.53	ug/l	99
65) Chlorobenzene	11.514	112	247299	49.57	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	92535	48.71	ug/l	99
67) Ethyl Benzene	11.593	91	431566	46.63	ug/l	95
68) m/p-Xylenes	11.702	106	339784	98.65	ug/l	90
69) o-Xylene	12.026	106	157669	48.79	ug/l	92
70) Styrene	12.044	104	272727	49.19	ug/l	95
71) Bromoform	12.209	173	58701	48.31	ug/l #	99
73) Isopropylbenzene	12.324	105	430830	49.79	ug/l	98
74) N-amyl acetate	12.141	43	104018	41.14	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.580	83	76173	48.52	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	57043m	46.94	ug/l	
77) Bromobenzene	12.605	156	108227	50.71	ug/l	91
78) n-propylbenzene	12.666	91	506596	49.14	ug/l	96
79) 2-Chlorotoluene	12.757	91	276117	47.43	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	358924	48.91	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.379	75	29576	45.70	ug/l	93
82) 4-Chlorotoluene	12.855	91	294317	48.10	ug/l	94
83) tert-Butylbenzene	13.074	119	318059	50.33	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	364041	49.42	ug/l	96
85) sec-Butylbenzene	13.251	105	441972	51.07	ug/l	98
86) p-Isopropyltoluene	13.367	119	414994	51.39	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	208067	51.11	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	204560	50.69	ug/l	98
89) n-Butylbenzene	13.696	91	379438	50.90	ug/l	98
90) Hexachloroethane	13.958	117	76063	52.50	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	184523	51.15	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	12375	42.14	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	127753	49.67	ug/l	100
94) Hexachlorobutadiene	15.110	225	78767	48.82	ug/l	98
95) Naphthalene	15.232	128	236120	50.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	109440	49.86	ug/l	99

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

