

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030321\
 Data File : VY004052.D
 Acq On : 03 Mar 2021 11:37
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/4/2021 2:04:49 PM

Quant Time: Mar 03 12:56:42 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	168513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	226273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118307	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8094	4.47	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	8.94%#
35) Dibromofluoromethane	7.722	113	7768	4.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	8.94%#
50) Toluene-d8	10.179	98	35531	5.04	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.08%#
62) 4-Bromofluorobenzene	12.477	95	10306	4.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	8.48%#

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.906	85	7840	5.05	ug/l 93
3) Chloromethane	2.119	50	9035	4.00	ug/l 99
4) Vinyl Chloride	2.253	62	10392	4.66	ug/l 90
5) Bromomethane	2.650	94	7395	4.89	ug/l 94
6) Chloroethane	2.802	64	6705	4.98	ug/l 97
7) Trichlorofluoromethane	3.125	101	16327	5.66	ug/l 95
8) Diethyl Ether	3.534	74	4217	4.63	ug/l 81
9) 1,1,2-Trichlorotrifluo...	3.905	101	8134	5.30	ug/l 99
10) Methyl Iodide	4.094	142	8781	4.60	ug/l 94
11) Tert butyl alcohol	4.948	59	3637	13.59	ug/l # 84
12) 1,1-Dichloroethene	3.875	96	8006	5.23	ug/l 89
13) Acrolein	3.729	56	3021	16.90	ug/l 86
14) Allyl chloride	4.485	41	10594	3.79	ug/l # 94
15) Acrylonitrile	5.167	53	11875	24.98	ug/l 99
16) Acetone	3.948	43	8169	18.03	ug/l 92
17) Carbon Disulfide	4.198	76	23682	4.78	ug/l 97
18) Methyl Acetate	4.491	43	4584	4.27	ug/l # 81
19) Methyl tert-butyl Ether	5.228	73	23489	5.24	ug/l 95
20) Methylene Chloride	4.722	84	13770	7.22	ug/l 87
21) trans-1,2-Dichloroethene	5.222	96	10408	6.00	ug/l 86
22) Diisopropyl ether	6.125	45	27221	4.86	ug/l 94
23) Vinyl Acetate	6.070	43	82041	21.75	ug/l # 94
24) 1,1-Dichloroethane	6.021	63	16897	5.58	ug/l 98
25) 2-Butanone	6.990	43	12212	18.45	ug/l # 89
26) 2,2-Dichloropropane	6.984	77	13376	4.68	ug/l 97
27) cis-1,2-Dichloroethene	6.996	96	9757	4.97	ug/l 90
28) Bromochloromethane	7.338	49	5327	3.96	ug/l # 78
29) Tetrahydrofuran	7.356	42	7931	18.83	ug/l # 83
30) Chloroform	7.508	83	15376	4.96	ug/l 97
31) Cyclohexane	7.789	56	15212	4.98	ug/l # 73
32) 1,1,1-Trichloroethane	7.704	97	14271	5.00	ug/l 95
36) 1,1-Dichloropropene	7.917	75	12289	4.32	ug/l 97
37) Ethyl Acetate	7.082	43	5464	3.27	ug/l # 95
38) Carbon Tetrachloride	7.893	117	12702	4.28	ug/l 94
39) Methylcyclohexane	9.179	83	18001	5.20	ug/l 88
40) Benzene	8.161	78	34264	4.30	ug/l 95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	3496m	4.05	ug/l	
42) 1,2-Dichloroethane	8.240	62	9807	3.82	ug/l	93
43) Isopropyl Acetate	8.277	43	10210	3.29	ug/l #	91
44) Trichloroethene	8.941	130	12558	5.63	ug/l	97
45) 1,2-Dichloropropane	9.216	63	9286	4.78	ug/l	99
46) Dibromomethane	9.307	93	5746	5.23	ug/l	97
47) Bromodichloromethane	9.496	83	13306	4.77	ug/l #	88
48) Methyl methacrylate	9.289	41	5723	3.77	ug/l	90
49) 1,4-Dioxane	9.289	88	1338	100.49	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	31444	19.54	ug/l	92
52) Toluene	10.246	92	25828	5.05	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	13981	4.60	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	15678	4.68	ug/l #	90
55) 1,1,2-Trichloroethane	10.642	97	7998	5.01	ug/l	96
56) Ethyl methacrylate	10.508	69	10192	4.57	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	11570	4.14	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	24926	24.89	ug/l	92
59) 2-Hexanone	10.831	43	18120	15.83	ug/l	95
60) Dibromochloromethane	10.983	129	8674	4.30	ug/l	99
61) 1,2-Dibromoethane	11.087	107	6825	4.38	ug/l	94
64) Tetrachloroethene	10.715	164	12225	5.80	ug/l	93
65) Chlorobenzene	11.514	112	24593	5.43	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	8951	5.19	ug/l	94
67) Ethyl Benzene	11.593	91	41695	4.96	ug/l	94
68) m/p-Xylenes	11.703	106	32679	10.45	ug/l	92
69) o-Xylene	12.026	106	15924	5.43	ug/l	87
70) Styrene	12.044	104	25010	4.97	ug/l	95
71) Bromoform	12.209	173	5416	4.91	ug/l #	94
73) Isopropylbenzene	12.331	105	40417	4.83	ug/l	95
74) N-amyl acetate	12.142	43	9190	3.76	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	7101	4.68	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	5532m	4.70	ug/l	
77) Bromobenzene	12.605	156	11169	5.41	ug/l	87
78) n-propylbenzene	12.672	91	48684	4.88	ug/l	96
79) 2-Chlorotoluene	12.758	91	26640	4.73	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	34152	4.81	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.373	75	2916	4.66	ug/l	95
82) 4-Chlorotoluene	12.855	91	27751	4.69	ug/l	91
83) tert-Butylbenzene	13.075	119	29941	4.90	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	34510	4.84	ug/l	96
85) sec-Butylbenzene	13.251	105	40910	4.89	ug/l	95
86) p-Isopropyltoluene	13.367	119	38876	4.98	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	20371	5.17	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	20910	5.36	ug/l	95
89) n-Butylbenzene	13.696	91	35432	4.91	ug/l	98
90) Hexachloroethane	13.959	117	7059	5.04	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	18581	5.32	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1373	4.83	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	14105	5.67	ug/l	100
94) Hexachlorobutadiene	15.111	225	9026	5.78	ug/l	97
95) Naphthalene	15.233	128	23180	5.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10885	5.13	ug/l	99

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

