

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011221\
 Data File : VY003892.D
 Acq On : 12 Jan 2021 09:37
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:36:59 PM

Quant Time: Jan 12 11:01:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:00:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	124498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	186194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	174110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10341	6.38	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.76%#		
35) Dibromofluoromethane	7.722	113	7795	5.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.42%#		
50) Toluene-d8	10.178	98	31692	5.42	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.84%#		
62) 4-Bromofluorobenzene	12.477	95	12484	5.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.80%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9031	6.30	ug/l	94
3) Chloromethane	2.119	50	13365	7.55	ug/l	98
4) Vinyl Chloride	2.253	62	12830	6.75	ug/l	92
5) Bromomethane	2.649	94	9323	6.47	ug/l	99
6) Chloroethane	2.802	64	7091	6.01	ug/l	90
7) Trichlorofluoromethane	3.131	101	15267	5.80	ug/l	96
8) Diethyl Ether	3.533	74	4893	5.92	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.905	101	7604	5.35	ug/l	96
10) Methyl Iodide	4.100	142	7394	4.29	ug/l	99
11) Tert butyl alcohol	4.948	59	6369m	39.67	ug/l	
12) 1,1-Dichloroethene	3.881	96	7223	5.26	ug/l	88
13) Acrolein	3.734	56	4988	30.38	ug/l	100
14) Allyl chloride	4.490	41	15929	6.30	ug/l	93
15) Acrylonitrile	5.173	53	13351	30.86	ug/l	98
16) Acetone	3.954	43	12009	32.35	ug/l	97
17) Carbon Disulfide	4.204	76	24738	5.57	ug/l #	94
18) Methyl Acetate	4.490	43	6531	6.53	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	22480	5.59	ug/l	98
20) Methylene Chloride	4.734	84	10264	6.10	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	8752	5.57	ug/l	93
22) Diisopropyl ether	6.124	45	30760	6.10	ug/l	94
23) Vinyl Acetate	6.069	43	101897	30.04	ug/l	97
24) 1,1-Dichloroethane	6.027	63	15948	5.92	ug/l	97
25) 2-Butanone	6.996	43	18641	32.37	ug/l	99
26) 2,2-Dichloropropane	6.990	77	15220	5.99	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	9419	5.50	ug/l	89
28) Bromochloromethane	7.338	49	7316	6.24	ug/l #	84
29) Tetrahydrofuran	7.356	42	12072	30.66	ug/l	97
30) Chloroform	7.514	83	16215	5.80	ug/l	92
31) Cyclohexane	7.789	56	17900	6.60	ug/l #	82
32) 1,1,1-Trichloroethane	7.703	97	15438	5.95	ug/l	95
36) 1,1-Dichloropropene	7.917	75	13928	5.88	ug/l	89
37) Ethyl Acetate	7.081	43	7718	5.47	ug/l #	91
38) Carbon Tetrachloride	7.904	117	13507	5.23	ug/l	94
39) Methylcyclohexane	9.185	83	15101	5.18	ug/l	97
40) Benzene	8.167	78	34159	5.23	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	5395m	6.83	ug/l	
42) 1,2-Dichloroethane	8.240	62	12187	5.67	ug/l	97
43) Isopropyl Acetate	8.270	43	15557	5.89	ug/l #	96
44) Trichloroethene	8.941	130	9906	5.16	ug/l	96
45) 1,2-Dichloropropane	9.221	63	8711	5.32	ug/l	98
46) Dibromomethane	9.301	93	4898	5.15	ug/l	94
47) Bromodichloromethane	9.496	83	12134	5.17	ug/l #	93
48) Methyl methacrylate	9.294	41	6825	5.41	ug/l #	93
49) 1,4-Dioxane	9.301	88	1416	116.24	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	40839	29.30	ug/l	94
52) Toluene	10.246	92	21408	5.08	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	13139	5.24	ug/l	96
54) cis-1,3-Dichloropropene	9.928	75	13828	4.91	ug/l #	77
55) 1,1,2-Trichloroethane	10.648	97	6409	4.78	ug/l	91
56) Ethyl methacrylate	10.508	69	9213	5.00	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	12560	5.41	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	26764	29.52	ug/l	96
59) 2-Hexanone	10.831	43	27356	28.41	ug/l	95
60) Dibromochloromethane	10.983	129	8956	5.14	ug/l	96
61) 1,2-Dibromoethane	11.087	107	6234	4.71	ug/l	95
64) Tetrachloroethene	10.721	164	10954	5.04	ug/l	96
65) Chlorobenzene	11.514	112	22914	5.01	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	8584	4.84	ug/l	97
67) Ethyl Benzene	11.593	91	41127	5.01	ug/l	99
68) m/p-Xylenes	11.696	106	30738	9.79	ug/l	93
69) o-Xylene	12.026	106	14305	4.88	ug/l	99
70) Styrene	12.044	104	23828	4.77	ug/l	94
71) Bromoform	12.202	173	5616	4.69	ug/l #	92
73) Isopropylbenzene	12.324	105	40430	5.18	ug/l	100
74) N-amyl acetate	12.142	43	13280	5.72	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.580	83	7627	5.34	ug/l	95
76) 1,2,3-Trichloropropane	12.629	75	6497m	5.76	ug/l	
77) Bromobenzene	12.605	156	10341	5.14	ug/l	89
78) n-propylbenzene	12.666	91	48303	5.25	ug/l	96
79) 2-Chlorotoluene	12.751	91	27389	5.23	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	34551	5.17	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	3111	5.33	ug/l #	81
82) 4-Chlorotoluene	12.849	91	29933	5.43	ug/l	98
83) tert-Butylbenzene	13.068	119	29553	5.13	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	33247	4.97	ug/l	99
85) sec-Butylbenzene	13.251	105	40706	5.21	ug/l	98
86) p-Isopropyltoluene	13.367	119	37452	5.01	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	20061	5.21	ug/l	96
88) 1,4-Dichlorobenzene	13.440	146	19447	5.16	ug/l	93
89) n-Butylbenzene	13.690	91	36280	5.32	ug/l	99
90) Hexachloroethane	13.958	117	6898	5.03	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	17067	5.03	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.348	75	1797	6.17	ug/l	79
93) 1,2,4-Trichlorobenzene	15.001	180	12798	5.13	ug/l	98
94) Hexachlorobutadiene	15.104	225	8326	4.96	ug/l	96
95) Naphthalene	15.232	128	22381	5.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	11343	5.22	ug/l	97

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

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