

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004376.D
 Acq On : 12 Apr 2021 10:54
 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
 4/13/2021 4:09:29 PM

Quant Time: Apr 13 03:33:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:23:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	214144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	339864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	297813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137067	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	11428	4.80	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.60%#		
35) Dibromofluoromethane	7.728	113	9790	5.19	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.38%#		
50) Toluene-d8	10.185	98	37437	4.67	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.34%#		
62) 4-Bromofluorobenzene	12.483	95	13540	4.97	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.94%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	10886	5.49	ug/l	99
3) Chloromethane	2.119	50	16464	5.74	ug/l	97
4) Vinyl Chloride	2.260	62	17103	5.64	ug/l	97
5) Bromomethane	2.662	94	7959	5.38	ug/l	98
6) Chloroethane	2.802	64	9065	4.99	ug/l	95
7) Trichlorofluoromethane	3.137	101	19894	5.25	ug/l	91
8) Diethyl Ether	3.540	74	6805	5.31	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	11117	5.29	ug/l	100
10) Methyl Iodide	4.107	142	13219	5.25	ug/l	99
11) Tert butyl alcohol	4.972	59	6943	29.61	ug/l	98
12) 1,1-Dichloroethene	3.887	96	10766	5.18	ug/l	93
13) Acrolein	3.735	56	6287	24.12	ug/l	96
14) Allyl chloride	4.497	41	20756	5.22	ug/l	97
15) Acrylonitrile	5.180	53	17855	25.98	ug/l	99
16) Acetone	3.960	43	18379	32.34	ug/l	94
17) Carbon Disulfide	4.204	76	33943	5.30	ug/l	98
18) Methyl Acetate	4.491	43	9302	5.61	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	32198	5.16	ug/l	97
20) Methylene Chloride	4.729	84	12273	5.34	ug/l	91
21) trans-1,2-Dichloroethene	5.241	96	11974	5.09	ug/l	87
22) Diisopropyl ether	6.131	45	40497	4.82	ug/l	96
23) Vinyl Acetate	6.070	43	138217	24.16	ug/l	99
24) 1,1-Dichloroethane	6.033	63	21622	5.04	ug/l	98
25) 2-Butanone	6.996	43	22172	24.46	ug/l	99
26) 2,2-Dichloropropane	6.990	77	19432	5.04	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	13227	5.03	ug/l	99
28) Bromochloromethane	7.350	49	9085	4.66	ug/l	98
29) Tetrahydrofuran	7.356	42	16814	25.97	ug/l	99
30) Chloroform	7.521	83	21006	4.98	ug/l	95
31) Cyclohexane	7.795	56	25855	5.93	ug/l #	82
32) 1,1,1-Trichloroethane	7.710	97	19234	5.03	ug/l	99
36) 1,1-Dichloropropene	7.923	75	17022	5.04	ug/l	99
37) Ethyl Acetate	7.082	43	11832	5.44	ug/l	99
38) Carbon Tetrachloride	7.911	117	13225	4.53	ug/l	96
39) Methylcyclohexane	9.191	83	20840	5.01	ug/l	97
40) Benzene	8.167	78	47099	4.96	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	7297m	5.83	ug/l	
42) 1,2-Dichloroethane	8.246	62	15218	5.11	ug/l	100
43) Isopropyl Acetate	8.283	43	20955	5.08	ug/l	98
44) Trichloroethene	8.947	130	13132	5.07	ug/l	99
45) 1,2-Dichloropropane	9.222	63	12185	4.97	ug/l	95
46) Dibromomethane	9.313	93	6781	5.08	ug/l	99
47) Bromodichloromethane	9.502	83	15938	4.94	ug/l	98
48) Methyl methacrylate	9.295	41	9079	4.78	ug/l	97
49) 1,4-Dioxane	9.301	88	1800	103.35	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	52360	24.72	ug/l	100
52) Toluene	10.252	92	31987	5.21	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	17274	4.85	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	20318	5.02	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	9211	5.01	ug/l	95
56) Ethyl methacrylate	10.514	69	12526	4.70	ug/l	98
57) 1,3-Dichloropropane	10.801	76	16731	5.10	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	31908	23.40	ug/l	99
59) 2-Hexanone	10.837	43	34625	24.39	ug/l	99
60) Dibromochloromethane	10.990	129	10642	4.87	ug/l	98
61) 1,2-Dibromoethane	11.093	107	8892	5.02	ug/l	97
64) Tetrachloroethene	10.727	164	13821	5.33	ug/l	96
65) Chlorobenzene	11.520	112	30637	5.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	10736	4.95	ug/l	100
67) Ethyl Benzene	11.599	91	56513	4.97	ug/l	99
68) m/p-Xylenes	11.709	106	41630	9.85	ug/l	100
69) o-Xylene	12.032	106	19409	4.90	ug/l	99
70) Styrene	12.050	104	30125	4.59	ug/l	96
71) Bromoform	12.215	173	6317	4.91	ug/l #	98
73) Isopropylbenzene	12.331	105	54014	5.10	ug/l	99
74) N-amyl acetate	12.148	43	17386	4.88	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	10278	5.13	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	6381m	3.64	ug/l	
77) Bromobenzene	12.617	156	12250	5.16	ug/l	97
78) n-propylbenzene	12.672	91	62394	4.99	ug/l	99
79) 2-Chlorotoluene	12.758	91	34307	5.01	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	42197	4.90	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	4324	5.26	ug/l #	93
82) 4-Chlorotoluene	12.861	91	36216	5.01	ug/l	100
83) tert-Butylbenzene	13.081	119	37012	5.02	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	44132	5.08	ug/l	99
85) sec-Butylbenzene	13.258	105	51984	5.06	ug/l	99
86) p-Isopropyltoluene	13.373	119	46979	5.02	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	22762	5.13	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	23506	5.27	ug/l	95
89) n-Butylbenzene	13.703	91	45814	5.13	ug/l	97
90) Hexachloroethane	13.965	117	5696	4.54	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	20391	5.18	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2016	5.61	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	14428	5.54	ug/l	97
94) Hexachlorobutadiene	15.117	225	7456	5.49	ug/l	99
95) Naphthalene	15.239	128	30904	5.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	13024	5.67	ug/l	96

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

