

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080221\
 Data File : VY005514.D
 Acq On : 02 Aug 2021 09:47
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/3/2021 4:50:31 PM

Quant Time: Aug 03 04:34:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	301094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	439298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	399340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	207501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	30562	10.027	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.060%#
35) Dibromofluoromethane	7.728	113	24092	9.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.600%#
50) Toluene-d8	10.185	98	102612	9.948	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	19.900%#
62) 4-Bromofluorobenzene	12.483	95	33662	9.855	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.700%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	28331	11.456	ug/l	94
3) Chloromethane	2.119	50	31255	10.580	ug/l	97
4) Vinyl Chloride	2.259	62	36637	10.354	ug/l	98
5) Bromomethane	2.656	94	25076	10.767	ug/l	93
6) Chloroethane	2.802	64	22420	10.497	ug/l	94
7) Trichlorofluoromethane	3.137	101	51100	10.787	ug/l	96
8) Diethyl Ether	3.540	74	17143	10.361	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.912	101	27229	10.596	ug/l	98
10) Methyl Iodide	4.101	142	31978	9.989	ug/l	99
11) Tert butyl alcohol	4.966	59	15774	52.353	ug/l	99
12) 1,1-Dichloroethene	3.881	96	27043	10.422	ug/l	99
13) Acrolein	3.735	56	9075	49.921	ug/l	96
14) Allyl chloride	4.497	41	47323	10.413	ug/l	98
15) Acrylonitrile	5.180	53	44380	52.337	ug/l	99
16) Acetone	3.960	43	39663	51.616	ug/l	98
17) Carbon Disulfide	4.204	76	86517	10.816	ug/l	100
18) Methyl Acetate	4.491	43	21179	10.538	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	82679	10.285	ug/l	99
20) Methylene Chloride	4.728	84	43485	11.268	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	30285	10.439	ug/l	97
22) Diisopropyl ether	6.125	45	96847	10.329	ug/l	93
23) Vinyl Acetate	6.076	43	321639	51.547	ug/l	100
24) 1,1-Dichloroethane	6.027	63	54070	10.406	ug/l	99
25) 2-Butanone	6.996	43	58907	51.860	ug/l	98
26) 2,2-Dichloropropane	6.996	77	48907	10.302	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	33582	10.178	ug/l	98
28) Bromochloromethane	7.350	49	22182	10.696	ug/l	99
29) Tetrahydrofuran	7.362	42	40083	53.352	ug/l	99
30) Chloroform	7.515	83	54525	10.281	ug/l	97
31) Cyclohexane	7.795	56	56872	10.879	ug/l #	90
32) 1,1,1-Trichloroethane	7.710	97	50247	10.307	ug/l	99
36) 1,1-Dichloropropene	7.923	75	42551	10.327	ug/l	100
37) Ethyl Acetate	7.088	43	25630	10.268	ug/l	100
38) Carbon Tetrachloride	7.905	117	46481	10.380	ug/l	92
39) Methylcyclohexane	9.191	83	55100	10.511	ug/l	99
40) Benzene	8.167	78	121167	10.269	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	15722m	10.652	ug/l	
42) 1,2-Dichloroethane	8.240	62	40056	10.466	ug/l	99
43) Isopropyl Acetate	8.283	43	48576	10.279	ug/l	99
44) Trichloroethene	8.947	130	33531	10.412	ug/l	100
45) 1,2-Dichloropropane	9.222	63	29748	10.078	ug/l	97
46) Dibromomethane	9.313	93	17030	10.434	ug/l	98
47) Bromodichloromethane	9.502	83	41861	10.248	ug/l	97
48) Methyl methacrylate	9.301	41	21574	10.101	ug/l	99
49) 1,4-Dioxane	9.307	88	4722	208.168	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	128682	51.705	ug/l	100
52) Toluene	10.246	92	77311	10.276	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	46331	10.149	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	49561	10.004	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	24291	10.286	ug/l	98
56) Ethyl methacrylate	10.514	69	35745	10.108	ug/l	99
57) 1,3-Dichloropropane	10.794	76	42118	10.114	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	80013	47.355	ug/l	100
59) 2-Hexanone	10.837	43	91888	52.238	ug/l	99
60) Dibromochloromethane	10.990	129	30083	10.293	ug/l	97
61) 1,2-Dibromoethane	11.093	107	23062	10.309	ug/l	99
64) Tetrachloroethene	10.721	164	32107	10.563	ug/l	97
65) Chlorobenzene	11.520	112	82567	10.275	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	30938	10.229	ug/l	99
67) Ethyl Benzene	11.593	91	148407	10.184	ug/l	95
68) m/p-Xylenes	11.703	106	114962	20.312	ug/l	99
69) o-Xylene	12.032	106	55271	10.160	ug/l	97
70) Styrene	12.050	104	92369	10.088	ug/l	99
71) Bromoform	12.209	173	19832	10.111	ug/l #	97
73) Isopropylbenzene	12.337	105	144994	10.011	ug/l	99
74) N-amyl acetate	12.148	43	43908	10.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	28752	10.321	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	22006m	12.259	ug/l	
77) Bromobenzene	12.611	156	36173	10.165	ug/l	98
78) n-propylbenzene	12.672	91	174165	10.124	ug/l	98
79) 2-Chlorotoluene	12.757	91	97445	10.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	121455	10.104	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10536	9.877	ug/l	99
82) 4-Chlorotoluene	12.861	91	101736	10.179	ug/l	99
83) tert-Butylbenzene	13.081	119	108027	10.015	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	118640	10.003	ug/l	100
85) sec-Butylbenzene	13.257	105	157161	10.102	ug/l	98
86) p-Isopropyltoluene	13.373	119	133517	9.996	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	70301	10.125	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	70840	10.284	ug/l	97
89) n-Butylbenzene	13.702	91	121916	10.075	ug/l	98
90) Hexachloroethane	13.965	117	24009	9.998	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	62089	10.123	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5523	10.458	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	41769	9.914	ug/l	99
94) Hexachlorobutadiene	15.117	225	27261	9.993	ug/l	99
95) Naphthalene	15.239	128	78995	9.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	37163	9.957	ug/l	100

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

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