

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060221\
 Data File : VY004918.D
 Acq On : 02 Jun 2021 11:39
 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
 6/3/2021 5:40:26 PM

Quant Time: Jun 03 04:18:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:17:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	297318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	485584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	433728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	194430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	30978	9.760	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.520%#		
35) Dibromofluoromethane	7.728	113	26771	10.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.400%#		
50) Toluene-d8	10.185	98	107605	9.820	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.640%#		
62) 4-Bromofluorobenzene	12.483	95	35809	9.677	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.360%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	30898	11.303	ug/l	98
3) Chloromethane	2.119	50	38869	10.364	ug/l	99
4) Vinyl Chloride	2.259	62	38738	10.749	ug/l	97
5) Bromomethane	2.656	94	21986	10.789	ug/l	93
6) Chloroethane	2.802	64	22078	10.341	ug/l	99
7) Trichlorofluoromethane	3.137	101	53419	10.594	ug/l	99
8) Diethyl Ether	3.534	74	20377	10.295	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	32322	10.407	ug/l	99
10) Methyl Iodide	4.101	142	29065	9.797	ug/l	99
11) Tert butyl alcohol	4.972	59	19641	53.565	ug/l	100
12) 1,1-Dichloroethene	3.881	96	31566	10.204	ug/l	95
13) Acrolein	3.747	56	21063	55.959	ug/l	99
14) Allyl chloride	4.491	41	57624	10.183	ug/l	99
15) Acrylonitrile	5.180	53	45837	49.023	ug/l	98
16) Acetone	3.960	43	40990	52.555	ug/l	96
17) Carbon Disulfide	4.204	76	100809	10.594	ug/l	100
18) Methyl Acetate	4.491	43	24378	9.842	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	78020	9.761	ug/l	98
20) Methylene Chloride	4.728	84	52245	11.614	ug/l	94
21) trans-1,2-Dichloroethene	5.234	96	35134	10.180	ug/l	96
22) Diisopropyl ether	6.137	45	107130	10.261	ug/l	93
23) Vinyl Acetate	6.076	43	380875	50.362	ug/l	100
24) 1,1-Dichloroethane	6.027	63	62206	10.012	ug/l	99
25) 2-Butanone	7.002	43	64787	49.526	ug/l	96
26) 2,2-Dichloropropane	6.996	77	53542	10.143	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	39044	10.145	ug/l	98
28) Bromochloromethane	7.344	49	27911	10.114	ug/l	97
29) Tetrahydrofuran	7.362	42	40699	48.756	ug/l	96
30) Chloroform	7.515	83	57857	9.780	ug/l	99
31) Cyclohexane	7.795	56	58969	10.513	ug/l #	82
32) 1,1,1-Trichloroethane	7.710	97	51313	9.860	ug/l	99
36) 1,1-Dichloropropene	7.929	75	47793	9.951	ug/l	99
37) Ethyl Acetate	7.088	43	32431	10.259	ug/l	99
38) Carbon Tetrachloride	7.905	117	39865	9.534	ug/l	97
39) Methylcyclohexane	9.185	83	53528	10.061	ug/l	98
40) Benzene	8.167	78	136518	9.986	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	15256	8.731	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	39826	9.930	ug/l	100
43) Isopropyl Acetate	8.283	43	54531	9.492	ug/l	99
44) Trichloroethene	8.947	130	36047	9.920	ug/l	91
45) 1,2-Dichloropropane	9.222	63	36339	10.137	ug/l	98
46) Dibromomethane	9.307	93	19217	9.964	ug/l	99
47) Bromodichloromethane	9.502	83	44959	9.995	ug/l	98
48) Methyl methacrylate	9.301	41	25210	9.752	ug/l	98
49) 1,4-Dioxane	9.313	88	4510	188.612	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	145832	48.492	ug/l	98
52) Toluene	10.246	92	81297	9.761	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	48164	9.686	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	56725	10.013	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	26651	9.943	ug/l	96
56) Ethyl methacrylate	10.514	69	35844	9.349	ug/l	96
57) 1,3-Dichloropropane	10.794	76	47411	9.903	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	95716	49.656	ug/l	100
59) 2-Hexanone	10.837	43	99569	48.981	ug/l	98
60) Dibromochloromethane	10.990	129	29905	9.778	ug/l	98
61) 1,2-Dibromoethane	11.093	107	25506	9.862	ug/l	99
64) Tetrachloroethene	10.721	164	36388	9.947	ug/l	94
65) Chlorobenzene	11.520	112	87426	9.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	31218	10.037	ug/l	99
67) Ethyl Benzene	11.593	91	161220	9.974	ug/l	100
68) m/p-Xylenes	11.703	106	117415	19.522	ug/l	98
69) o-Xylene	12.032	106	53341	9.457	ug/l	99
70) Styrene	12.044	104	87419	9.313	ug/l	99
71) Bromoform	12.209	173	17499	9.551	ug/l #	97
73) Isopropylbenzene	12.331	105	147045	9.814	ug/l	100
74) N-amyl acetate	12.148	43	46200	9.489	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	30056	10.021	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	21597m	10.627	ug/l	
77) Bromobenzene	12.611	156	33606	9.997	ug/l	97
78) n-propylbenzene	12.672	91	180952	10.077	ug/l	100
79) 2-Chlorotoluene	12.758	91	102056	10.222	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	124986	10.187	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	11564	9.863	ug/l	98
82) 4-Chlorotoluene	12.855	91	100715	9.821	ug/l	100
83) tert-Butylbenzene	13.075	119	102698	9.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	120361	9.829	ug/l	99
85) sec-Butylbenzene	13.257	105	148579	9.797	ug/l	100
86) p-Isopropyltoluene	13.373	119	127372	9.811	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	63425	10.001	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	63653	10.080	ug/l	98
89) n-Butylbenzene	13.696	91	124145	9.968	ug/l	98
90) Hexachloroethane	13.965	117	19275	9.972	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	57223	10.162	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4935	9.741	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	35116	9.899	ug/l	99
94) Hexachlorobutadiene	15.111	225	18206	9.688	ug/l	98
95) Naphthalene	15.239	128	72220	9.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	29709	9.533	ug/l	99

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

