

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072221\
 Data File : VY005408.D
 Acq On : 22 Jul 2021 10:56
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:47:47 PM

Quant Time: Jul 23 05:47:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 05:45:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	284165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	418862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	385279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	202986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	28010	9.226	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	18.460%#
35) Dibromofluoromethane	7.728	113	22404	9.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	18.520%#
50) Toluene-d8	10.185	98	93204	9.092	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	18.180%#
62) 4-Bromofluorobenzene	12.483	95	31278	9.245	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	18.500%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	31451	12.226	ug/l	97
3) Chloromethane	2.119	50	35041	11.112	ug/l	99
4) Vinyl Chloride	2.260	62	40836	10.875	ug/l	99
5) Bromomethane	2.656	94	30411	11.082	ug/l	100
6) Chloroethane	2.802	64	26179	11.097	ug/l	96
7) Trichlorofluoromethane	3.131	101	54087	11.014	ug/l	97
8) Diethyl Ether	3.540	74	19491	11.275	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	29669	11.117	ug/l	99
10) Methyl Iodide	4.101	142	30686	10.131	ug/l	97
11) Tert butyl alcohol	4.972	59	15509	54.079	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	29464	10.845	ug/l	95
13) Acrolein	3.741	56	16639	63.359	ug/l	98
14) Allyl chloride	4.491	41	52855	10.871	ug/l	97
15) Acrylonitrile	5.180	53	47058	54.816	ug/l	99
16) Acetone	3.967	43	38762	55.910	ug/l	98
17) Carbon Disulfide	4.204	76	100357	11.171	ug/l	99
18) Methyl Acetate	4.491	43	21025	10.789	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	86478	10.549	ug/l	97
20) Methylene Chloride	4.722	84	45877	11.421	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	32941	10.792	ug/l	96
22) Diisopropyl ether	6.131	45	107078	11.347	ug/l	97
23) Vinyl Acetate	6.076	43	346903	55.889	ug/l	100
24) 1,1-Dichloroethane	6.027	63	59138	11.369	ug/l	100
25) 2-Butanone	7.003	43	59529	57.337	ug/l	99
26) 2,2-Dichloropropane	6.990	77	53232	11.254	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	36293	11.116	ug/l	99
28) Bromochloromethane	7.344	49	22711	10.846	ug/l	98
29) Tetrahydrofuran	7.362	42	34128	49.638	ug/l	99
30) Chloroform	7.515	83	51743	10.055	ug/l	92
31) Cyclohexane	7.789	56	54012	10.420	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	48518	10.184	ug/l	99
36) 1,1-Dichloropropene	7.923	75	40141	9.911	ug/l	99
37) Ethyl Acetate	7.088	43	29184	11.838	ug/l	98
38) Carbon Tetrachloride	7.905	117	45011	10.170	ug/l	98
39) Methylcyclohexane	9.191	83	51939	10.001	ug/l	93
40) Benzene	8.167	78	114967	9.878	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	12527	7.607	ug/l #	89
42) 1,2-Dichloroethane	8.246	62	37781	10.035	ug/l	100
43) Isopropyl Acetate	8.283	43	44438	9.954	ug/l	99
44) Trichloroethene	8.947	130	31266	9.905	ug/l	99
45) 1,2-Dichloropropane	9.222	63	28733	10.026	ug/l	97
46) Dibromomethane	9.313	93	16023	10.158	ug/l	97
47) Bromodichloromethane	9.502	83	39451	9.950	ug/l	95
48) Methyl methacrylate	9.301	41	20611	9.927	ug/l	99
49) 1,4-Dioxane	9.307	88	4456	200.274	ug/l #	94
51) 4-Methyl-2-Pentanone	10.075	43	118178	49.861	ug/l	100
52) Toluene	10.246	92	73881	9.996	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	43256	9.753	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	47832	9.811	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	22770	10.059	ug/l	96
56) Ethyl methacrylate	10.514	69	33300	9.742	ug/l	98
57) 1,3-Dichloropropane	10.795	76	39928	9.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	74235	45.412	ug/l	98
59) 2-Hexanone	10.837	43	82619	49.734	ug/l	98
60) Dibromochloromethane	10.990	129	27094	9.800	ug/l	99
61) 1,2-Dibromoethane	11.093	107	21697	10.126	ug/l	99
64) Tetrachloroethene	10.721	164	29541	10.149	ug/l	97
65) Chlorobenzene	11.520	112	79316	10.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	29073	9.864	ug/l	99
67) Ethyl Benzene	11.593	91	140509	9.781	ug/l	97
68) m/p-Xylenes	11.703	106	109214	19.579	ug/l	100
69) o-Xylene	12.032	106	51692	9.741	ug/l	100
70) Styrene	12.044	104	87543	9.715	ug/l	100
71) Bromoform	12.209	173	18258	9.693	ug/l #	96
73) Isopropylbenzene	12.331	105	135978	9.714	ug/l	99
74) N-amyl acetate	12.148	43	40804	9.574	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	26037	9.742	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	20020m	13.364	ug/l	
77) Bromobenzene	12.611	156	33140	9.668	ug/l	98
78) n-propylbenzene	12.672	91	165911	9.824	ug/l	100
79) 2-Chlorotoluene	12.758	91	92190	9.718	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	115273	9.859	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	10277	9.991	ug/l	98
82) 4-Chlorotoluene	12.855	91	96616	9.840	ug/l	99
83) tert-Butylbenzene	13.075	119	102759	9.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	113900	9.713	ug/l	99
85) sec-Butylbenzene	13.258	105	147964	9.850	ug/l	100
86) p-Isopropyltoluene	13.373	119	127320	9.844	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	65626	9.762	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	66825	10.032	ug/l	98
89) n-Butylbenzene	13.696	91	117845	9.927	ug/l	99
90) Hexachloroethane	13.965	117	22833	9.821	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	59509	9.912	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5298	10.223	ug/l	93
93) 1,2,4-Trichlorobenzene	15.013	180	40974	9.892	ug/l	99
94) Hexachlorobutadiene	15.117	225	26977	10.276	ug/l	98
95) Naphthalene	15.239	128	80040	9.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	37196	9.963	ug/l	98

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

