

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005403.D
 Acq On : 09 Jul 2021 17:12
 Operator : SY/MD
 Sample : M2940-02 5.0PPB
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:46:46 PM

Quant Time: Jul 10 08:13:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 10 08:11:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	310451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	459960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	215956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	152972	52.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.200%
35) Dibromofluoromethane	7.722	113	137438	50.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.820%
50) Toluene-d8	10.179	98	573283	49.894	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.780%
62) 4-Bromofluorobenzene	12.483	95	190967	49.303	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	15063	5.446	ug/l	97
3) Chloromethane	2.113	50	15345	5.453	ug/l	100
4) Vinyl Chloride	2.253	62	19099	5.487	ug/l	97
5) Bromomethane	2.643	94	16351	6.313	ug/l	95
6) Chloroethane	2.796	64	11756	5.385	ug/l	92
7) Trichlorofluoromethane	3.125	101	27709	5.406	ug/l	97
8) Diethyl Ether	3.540	74	9305	5.235	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	15112	5.244	ug/l	99
10) Methyl Iodide	4.101	142	14857	4.236	ug/l	98
11) Tert butyl alcohol	4.966	59	12229	29.431	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	15582	5.265	ug/l	98
13) Acrolein	3.735	56	7002	32.143	ug/l	99
14) Allyl chloride	4.485	41	22493	5.463	ug/l	99
15) Acrylonitrile	5.180	53	21889	27.058	ug/l	100
16) Acetone	3.960	43	18516	29.733	ug/l	100
17) Carbon Disulfide	4.198	76	49145	5.319	ug/l	98
18) Methyl Acetate	4.491	43	10653	6.173	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	42307	5.282	ug/l	98
20) Methylene Chloride	4.722	84	43377	10.056	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	17539	5.318	ug/l	95
22) Diisopropyl ether	6.131	45	44207	5.390	ug/l	96
23) Vinyl Acetate	6.070	43	142333	26.226	ug/l	100
24) 1,1-Dichloroethane	6.027	63	28097	5.427	ug/l	98
25) 2-Butanone	7.002	43	25766	26.258	ug/l	94
26) 2,2-Dichloropropane	6.990	77	26231	5.460	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	19279	5.278	ug/l	100
28) Bromochloromethane	7.338	49	11471	5.903	ug/l	92
29) Tetrahydrofuran	7.356	42	17021	26.149	ug/l	98
30) Chloroform	7.515	83	30371	5.473	ug/l	97
31) Cyclohexane	7.789	56	30272	5.873	ug/l #	79
32) 1,1,1-Trichloroethane	7.710	97	27123	5.279	ug/l	98
36) 1,1-Dichloropropene	7.923	75	22849	5.088	ug/l	97
37) Ethyl Acetate	7.082	43	12088	5.354	ug/l	98
38) Carbon Tetrachloride	7.905	117	25159	5.012	ug/l	95
39) Methylcyclohexane	9.185	83	28900	4.891	ug/l	91
40) Benzene	8.167	78	68412	5.198	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	6458	5.015	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	20355	5.355	ug/l	98
43) Isopropyl Acetate	8.283	43	21669	5.232	ug/l	99
44) Trichloroethene	8.947	130	19696	5.085	ug/l	94
45) 1,2-Dichloropropane	9.222	63	16200	5.269	ug/l	99
46) Dibromomethane	9.307	93	9152	5.080	ug/l	100
47) Bromodichloromethane	9.502	83	22110	5.068	ug/l	99
48) Methyl methacrylate	9.295	41	9693	5.063	ug/l	97
49) 1,4-Dioxane	9.301	88	2791	96.686	ug/l #	89
51) 4-Methyl-2-Pentanone	10.075	43	56051	24.491	ug/l	100
52) Toluene	10.246	92	43871	5.064	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	23967	4.919	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	27149	5.055	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	13479	5.042	ug/l	99
56) Ethyl methacrylate	10.514	69	17997	4.843	ug/l	99
57) 1,3-Dichloropropane	10.794	76	23021	5.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	45032	28.346	ug/l	99
59) 2-Hexanone	10.837	43	38790	24.268	ug/l	99
60) Dibromochloromethane	10.983	129	16698	4.999	ug/l	97
61) 1,2-Dibromoethane	11.087	107	12718	4.944	ug/l	96
64) Tetrachloroethene	10.721	164	18017	4.801	ug/l	97
65) Chlorobenzene	11.520	112	47668	5.162	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	17373	5.059	ug/l	99
67) Ethyl Benzene	11.593	91	80552	4.978	ug/l	100
68) m/p-Xylenes	11.703	106	64301	9.932	ug/l	99
69) o-Xylene	12.032	106	30141	4.894	ug/l	99
70) Styrene	12.044	104	50601	4.848	ug/l	100
71) Bromoform	12.209	173	11605	5.112	ug/l #	97
73) Isopropylbenzene	12.331	105	78425	4.990	ug/l	100
74) N-amyl acetate	12.142	43	18640	5.005	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	15625	5.357	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	10754m	5.149	ug/l	
77) Bromobenzene	12.611	156	20473	5.164	ug/l	96
78) n-propylbenzene	12.672	91	93936	5.078	ug/l	99
79) 2-Chlorotoluene	12.757	91	52793	5.079	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	66488	5.071	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	5780	5.145	ug/l	99
82) 4-Chlorotoluene	12.855	91	57035	5.279	ug/l	97
83) tert-Butylbenzene	13.075	119	57274	4.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	64593	4.931	ug/l	99
85) sec-Butylbenzene	13.251	105	84494	4.961	ug/l	99
86) p-Isopropyltoluene	13.373	119	72726	4.918	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	39979	5.086	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	41274	5.312	ug/l	97
89) n-Butylbenzene	13.696	91	64950	4.956	ug/l	98
90) Hexachloroethane	13.965	117	13113	4.953	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	35923	5.170	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3060	5.547	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	23946	5.024	ug/l	99
94) Hexachlorobutadiene	15.111	225	14708	4.940	ug/l	99
95) Naphthalene	15.239	128	43847	4.663	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	20560	4.882	ug/l	99

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

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