

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005401.D
 Acq On : 09 Jul 2021 16:27
 Operator : SY/MD
 Sample : M2940-01 2.5PPB
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:46:42 PM

Quant Time: Jul 10 08:11:58 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	334847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	488646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	439153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	227510	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	155581	49.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.180%
35) Dibromofluoromethane	7.722	113	143713	50.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.185	98	594263	48.683	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.483	95	196217	47.684	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.360%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	8629	2.892	ug/l	92
3) Chloromethane	2.113	50	8207	2.704	ug/l	96
4) Vinyl Chloride	2.253	62	9911	2.640	ug/l	94
5) Bromomethane	2.656	94	9561	3.423	ug/l	93
6) Chloroethane	2.802	64	6336	2.691	ug/l	98
7) Trichlorofluoromethane	3.131	101	15853	2.868	ug/l	99
8) Diethyl Ether	3.534	74	5527	2.883	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	8632	2.777	ug/l	99
10) Methyl Iodide	4.101	142	8880	2.347	ug/l	97
11) Tert butyl alcohol	4.978	59	5910m	13.187	ug/l	
12) 1,1-Dichloroethene	3.881	96	8768	2.747	ug/l	91
13) Acrolein	3.735	56	3640	15.492	ug/l	97
14) Allyl chloride	4.485	41	11909	2.682	ug/l	97
15) Acrylonitrile	5.180	53	11266	12.912	ug/l	99
16) Acetone	3.960	43	10447	15.554	ug/l	98
17) Carbon Disulfide	4.198	76	27016	2.711	ug/l	98
18) Methyl Acetate	4.491	43	5447	2.926	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	23117	2.676	ug/l	96
20) Methylene Chloride	4.722	84	35835	7.703	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	9357	2.630	ug/l	94
22) Diisopropyl ether	6.131	45	22662	2.562	ug/l	96
23) Vinyl Acetate	6.070	43	71568	12.226	ug/l	98
24) 1,1-Dichloroethane	6.021	63	15093	2.703	ug/l	97
25) 2-Butanone	6.996	43	13694	12.939	ug/l	99
26) 2,2-Dichloropropane	6.984	77	14852	2.866	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	10585	2.687	ug/l	99
28) Bromochloromethane	7.338	49	5629	2.686	ug/l #	99
29) Tetrahydrofuran	7.362	42	8787	12.516	ug/l	98
30) Chloroform	7.515	83	16416	2.743	ug/l	96
31) Cyclohexane	7.789	56	18712	3.366	ug/l #	67
32) 1,1,1-Trichloroethane	7.704	97	15100	2.725	ug/l	95
36) 1,1-Dichloropropene	7.917	75	12593	2.640	ug/l	99
37) Ethyl Acetate	7.082	43	6547	2.729	ug/l #	94
38) Carbon Tetrachloride	7.905	117	13906	2.607	ug/l	94
39) Methylcyclohexane	9.185	83	15872	2.528	ug/l	97
40) Benzene	8.167	78	36837	2.635	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	3789	2.770	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	10818	2.679	ug/l	98
43) Isopropyl Acetate	8.277	43	11294	2.567	ug/l	98
44) Trichloroethene	8.941	130	10567	2.568	ug/l	93
45) 1,2-Dichloropropane	9.222	63	8618	2.638	ug/l #	88
46) Dibromomethane	9.313	93	4999	2.612	ug/l	99
47) Bromodichloromethane	9.502	83	11984	2.586	ug/l	97
48) Methyl methacrylate	9.295	41	5040	2.478	ug/l	99
49) 1,4-Dioxane	9.307	88	1544	50.348	ug/l #	88
51) 4-Methyl-2-Pentanone	10.075	43	29607	12.177	ug/l	100
52) Toluene	10.246	92	24094	2.618	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	13046	2.521	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	14023	2.458	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	7671	2.701	ug/l	96
56) Ethyl methacrylate	10.514	69	9652	2.445	ug/l	96
57) 1,3-Dichloropropane	10.795	76	12369	2.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	22706	13.454	ug/l	100
59) 2-Hexanone	10.837	43	20391	12.008	ug/l	98
60) Dibromochloromethane	10.990	129	8896	2.507	ug/l	94
61) 1,2-Dibromoethane	11.093	107	6983	2.555	ug/l	98
64) Tetrachloroethene	10.721	164	10502	2.644	ug/l	95
65) Chlorobenzene	11.520	112	26194	2.680	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	9074	2.497	ug/l	98
67) Ethyl Benzene	11.593	91	43314	2.529	ug/l	100
68) m/p-Xylenes	11.703	106	35167	5.132	ug/l	100
69) o-Xylene	12.032	106	16817	2.580	ug/l	98
70) Styrene	12.044	104	27280	2.470	ug/l	99
71) Bromoform	12.209	173	6390	2.660	ug/l #	97
73) Isopropylbenzene	12.331	105	42546	2.570	ug/l	99
74) N-amyl acetate	12.148	43	9808	2.500	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	8153	2.653	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	6627m	3.012	ug/l	
77) Bromobenzene	12.611	156	11217	2.685	ug/l	96
78) n-propylbenzene	12.672	91	51238	2.629	ug/l	99
79) 2-Chlorotoluene	12.758	91	28938	2.643	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	35493	2.570	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	3263	2.757	ug/l	99
82) 4-Chlorotoluene	12.855	91	30412	2.672	ug/l	97
83) tert-Butylbenzene	13.075	119	31785	2.589	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	34909	2.530	ug/l	99
85) sec-Butylbenzene	13.257	105	45369	2.529	ug/l	99
86) p-Isopropyltoluene	13.373	119	39358	2.526	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	22029	2.660	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	22738	2.778	ug/l	90
89) n-Butylbenzene	13.696	91	35454	2.568	ug/l	99
90) Hexachloroethane	13.965	117	7263	2.604	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	19895	2.718	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1682	2.894	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	14601	2.908	ug/l	99
94) Hexachlorobutadiene	15.117	225	8901	2.838	ug/l	98
95) Naphthalene	15.239	128	28210	2.848	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	13430	3.027	ug/l	97

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

