

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010444.D
 Acq On : 12 Sep 2022 13:51
 Operator : KP/MD
 Sample : N3980-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Sep 13 05:24:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 05:24:24 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	230773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	369165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	129146	55.564	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.120%
35) Dibromofluoromethane	7.710	113	125959	48.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.080%
50) Toluene-d8	10.179	98	462771	54.462	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.920%
62) 4-Bromofluorobenzene	12.477	95	159426	40.886	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.780%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	6341	3.586	ug/l	97
3) Chloromethane	2.107	50	8912	3.437	ug/l	94
4) Vinyl Chloride	2.241	62	8735	2.731	ug/l	98
5) Bromomethane	2.644	94	7201	3.213	ug/l	86
6) Chloroethane	2.790	64	5698	2.663	ug/l	# 83
7) Trichlorofluoromethane	3.113	101	11345	2.800	ug/l	85
8) Diethyl Ether	3.528	74	3676	2.801	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	6719	2.832	ug/l	95
10) Methyl Iodide	4.082	142	7068	2.408	ug/l	89
11) Tert butyl alcohol	4.948	59	6234	19.857	ug/l	# 86
12) 1,1-Dichloroethene	3.857	96	5872	2.638	ug/l	92
13) Acrolein	3.729	56	2659	11.992	ug/l	92
14) Allyl chloride	4.473	41	8815	2.751	ug/l	# 96
15) Acrylonitrile	5.155	53	9067	14.273	ug/l	95
16) Acetone	3.942	43	10194	19.112	ug/l	95
17) Carbon Disulfide	4.180	76	15870	2.637	ug/l	95
18) Methyl Acetate	4.479	43	6193	3.774	ug/l	# 90
19) Methyl tert-butyl Ether	5.210	73	17126	2.787	ug/l	94
20) Methylene Chloride	4.698	84	30282	9.302	ug/l	# 82
21) trans-1,2-Dichloroethene	5.210	96	6938	2.746	ug/l	85
22) Diisopropyl ether	6.106	45	18542	2.592	ug/l	# 94
23) Vinyl Acetate	6.058	43	51478	11.741	ug/l	# 89
24) 1,1-Dichloroethane	6.009	63	12139	2.803	ug/l	# 95
25) 2-Butanone	6.984	43	13893	16.389	ug/l	# 86
26) 2,2-Dichloropropane	6.972	77	13745	3.325	ug/l	90
27) cis-1,2-Dichloroethene	6.978	96	7948	2.706	ug/l	99
28) Bromochloromethane	7.326	49	4358	3.138	ug/l	# 76
29) Tetrahydrofuran	7.350	42	7529	14.231	ug/l	# 88
30) Chloroform	7.502	83	12863	2.800	ug/l	94
31) Cyclohexane	7.777	56	14137	3.600	ug/l	# 71
32) 1,1,1-Trichloroethane	7.698	97	11380	2.735	ug/l	95
36) 1,1-Dichloropropene	7.917	75	10233	2.851	ug/l	97
37) Ethyl Acetate	7.070	43	5582	2.958	ug/l	97
38) Carbon Tetrachloride	7.893	117	10220	2.559	ug/l	97
39) Methylcyclohexane	9.179	83	11357	2.538	ug/l	92
40) Benzene	8.155	78	28584	2.766	ug/l	95

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41) Methacrylonitrile	7.313	41	2417m	2.241	ug/l	
42) 1,2-Dichloroethane	8.228	62	8921	2.903	ug/l	94
43) Isopropyl Acetate	8.271	43	8966	2.597	ug/l #	88
44) Trichloroethene	8.935	130	8211	2.700	ug/l	93
45) 1,2-Dichloropropane	9.209	63	6776	2.689	ug/l #	89
46) Dibromomethane	9.301	93	3967	2.610	ug/l	97
47) Bromodichloromethane	9.496	83	9460	2.621	ug/l	97
48) Methyl methacrylate	9.289	41	3824	2.466	ug/l #	81
49) 1,4-Dioxane	9.289	88	968	48.120	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	23575	12.447	ug/l	89
52) Toluene	10.240	92	17900	2.647	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	9010	2.426	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	10746	2.565	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	5692	2.633	ug/l	92
56) Ethyl methacrylate	10.508	69	6589	2.321	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	9656	2.686	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.783	63	16366	16.946	ug/l	93
59) 2-Hexanone	10.831	43	15099	11.695	ug/l	86
60) Dibromochloromethane	10.977	129	6825	2.584	ug/l	97
61) 1,2-Dibromoethane	11.093	107	5354	2.551	ug/l	100
64) Tetrachloroethene	10.721	164	8467	2.850	ug/l	91
65) Chlorobenzene	11.514	112	20319	2.756	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.587	131	6577	2.409	ug/l	89
67) Ethyl Benzene	11.593	91	33455	2.564	ug/l	95
68) m/p-Xylenes	11.697	106	25880	5.052	ug/l	91
69) o-Xylene	12.026	106	12392	2.534	ug/l	92
70) Styrene	12.044	104	20517	2.478	ug/l	96
71) Bromoform	12.209	173	4275	2.504	ug/l #	100
73) Isopropylbenzene	12.331	105	33263	2.639	ug/l	100
74) N-amyl acetate	12.142	43	6664	2.266	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	6597	2.798	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	4806m	2.696	ug/l	
77) Bromobenzene	12.605	156	8111	2.716	ug/l	94
78) n-propylbenzene	12.672	91	40005	2.680	ug/l	97
79) 2-Chlorotoluene	12.758	91	22833	2.723	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	28358	2.667	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	1935m	2.410	ug/l	
82) 4-Chlorotoluene	12.855	91	23276	2.669	ug/l	100
83) tert-Butylbenzene	13.075	119	24425	2.628	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	26871	2.582	ug/l	97
85) sec-Butylbenzene	13.251	105	36660	2.663	ug/l	100
86) p-Isopropyltoluene	13.367	119	28740	2.469	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	16902	2.818	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	17601	2.964	ug/l	93
89) n-Butylbenzene	13.696	91	27964	2.646	ug/l	99
90) Hexachloroethane	13.953	117	6159	2.818	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	14806	2.787	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1127	2.832	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	9542	2.892	ug/l	99
94) Hexachlorobutadiene	15.111	225	5560	2.793	ug/l	93
95) Naphthalene	15.233	128	17631	2.709	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	7993	2.775	ug/l	97

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

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