

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012864.D
 Acq On : 08 Mar 2023 12:31
 Operator : KP/MD
 Sample : 01627-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 09 00:34:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	97020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	138334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	47434	49.242	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.480%		
35) Dibromofluoromethane	7.716	113	45595	48.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.340%		
50) Toluene-d8	10.179	98	152460	44.520	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.040%		
62) 4-Bromofluorobenzene	12.483	95	51745	44.767	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	2632	2.752	ug/l	93
3) Chloromethane	2.113	50	3370	2.948	ug/l #	82
4) Vinyl Chloride	2.253	62	3151	3.006	ug/l	91
5) Bromomethane	2.650	94	2154	3.381	ug/l	89
6) Chloroethane	2.802	64	1941	3.092	ug/l	93
7) Trichlorofluoromethane	3.125	101	5136	2.950	ug/l	90
8) Diethyl Ether	3.534	74	1720	2.819	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	3043	2.905	ug/l	95
10) Methyl Iodide	4.088	142	3511	2.572	ug/l	97
11) Tert butyl alcohol	4.942	59	4096	18.292	ug/l #	79
12) 1,1-Dichloroethene	3.869	96	2777	2.780	ug/l	83
13) Acrolein	3.741	56	2449	14.511	ug/l	89
14) Allyl chloride	4.472	41	4174	2.262	ug/l	92
15) Acrylonitrile	5.161	53	4600	14.308	ug/l	97
16) Acetone	3.948	43	6483	17.146	ug/l	96
17) Carbon Disulfide	4.192	76	9010	2.649	ug/l	98
18) Methyl Acetate	4.478	43	3179	2.823	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	6835	2.649	ug/l	95
20) Methylene Chloride	4.716	84	8482	2.217	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	3148	2.899	ug/l #	74
22) Diisopropyl ether	6.118	45	7970	2.378	ug/l	95
23) Vinyl Acetate	6.064	43	25863	12.418	ug/l	98
24) 1,1-Dichloroethane	6.009	63	5391	2.822	ug/l #	93
25) 2-Butanone	6.990	43	7630	16.293	ug/l	91
26) 2,2-Dichloropropane	6.972	77	5820	3.431	ug/l	90
27) cis-1,2-Dichloroethene	6.984	96	3385	2.908	ug/l	91
28) Bromochloromethane	7.332	49	1556	2.229	ug/l #	97
29) Tetrahydrofuran	7.350	42	3812	13.497	ug/l	97
30) Chloroform	7.502	83	5508	2.919	ug/l	97
31) Cyclohexane	7.789	56	6107	3.310	ug/l #	70
32) 1,1,1-Trichloroethane	7.703	97	5019	2.942	ug/l	97
36) 1,1-Dichloropropene	7.923	75	4383	2.792	ug/l	97
37) Ethyl Acetate	7.076	43	2857	2.888	ug/l #	92
38) Carbon Tetrachloride	7.899	117	4527	2.793	ug/l	96
39) Methylcyclohexane	9.191	83	4713	2.525	ug/l	91
40) Benzene	8.161	78	12590	2.835	ug/l	98

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41) Methacrylonitrile	7.313	41	1457m	2.733	ug/l	
42) 1,2-Dichloroethane	8.234	62	4143	3.103	ug/l	99
43) Isopropyl Acetate	8.270	43	4609	2.611	ug/l	93
44) Trichloroethene	8.941	130	3235	2.763	ug/l	91
45) 1,2-Dichloropropane	9.215	63	3103	2.765	ug/l	95
46) Dibromomethane	9.307	93	1881	2.942	ug/l	97
47) Bromodichloromethane	9.490	83	4168	2.766	ug/l #	84
48) Methyl methacrylate	9.295	41	2128	2.616	ug/l	98
49) 1,4-Dioxane	9.289	88	444	53.721	ug/l #	70
51) 4-Methyl-2-Pentanone	10.069	43	12076	12.612	ug/l	99
52) Toluene	10.246	92	7605	2.840	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	4416	2.794	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	4431	2.477	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	2628	2.952	ug/l	99
56) Ethyl methacrylate	10.508	69	2897	2.440	ug/l	98
57) 1,3-Dichloropropane	10.794	76	4276	2.820	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	7272	11.668	ug/l	100
59) 2-Hexanone	10.837	43	8946	12.855	ug/l	100
60) Dibromochloromethane	10.983	129	3077	2.839	ug/l	94
61) 1,2-Dibromoethane	11.087	107	2453	2.860	ug/l	100
64) Tetrachloroethene	10.715	164	2752	2.732	ug/l	89
65) Chlorobenzene	11.520	112	8439	2.907	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	3175	2.955	ug/l	94
67) Ethyl Benzene	11.593	91	13385	2.622	ug/l	90
68) m/p-Xylenes	11.703	106	9655	4.917	ug/l	99
69) o-Xylene	12.032	106	4651	2.538	ug/l	88
70) Styrene	12.044	104	7433	2.430	ug/l	99
71) Bromoform	12.209	173	2034	2.904	ug/l #	96
73) Isopropylbenzene	12.331	105	11903	2.439	ug/l	98
74) N-amyl acetate	12.142	43	3649	2.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	3513	3.202	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	2176m	2.646	ug/l	
77) Bromobenzene	12.611	156	3546	2.991	ug/l	94
78) n-propylbenzene	12.672	91	16519	2.745	ug/l	98
79) 2-Chlorotoluene	12.757	91	9041	2.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	10444	2.593	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	1151	2.900	ug/l	86
82) 4-Chlorotoluene	12.855	91	9099	2.628	ug/l	99
83) tert-Butylbenzene	13.074	119	8853	2.546	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	9169	2.328	ug/l	97
85) sec-Butylbenzene	13.251	105	13240	2.496	ug/l	99
86) p-Isopropyltoluene	13.367	119	10204	2.354	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	6616	2.893	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	7077	3.032	ug/l	86
89) n-Butylbenzene	13.696	91	10141	2.444	ug/l	99
90) Hexachloroethane	13.958	117	2657	2.943	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	6000	2.902	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	529	2.983	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	3277	2.575	ug/l	93
94) Hexachlorobutadiene	15.117	225	2046	2.636	ug/l	90
95) Naphthalene	15.239	128	6418	2.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	2944	2.601	ug/l	90

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

