

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033022\
 Data File : VY008108.D
 Acq On : 30 Mar 2022 14:08
 Operator : SY/MD
 Sample : N1645-03 2.0ppb
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Mar 31 06:47:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 06:28:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/31/2022
 Supervised By :Semsettin Yesilyurt 03/31/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	270850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	485777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	447053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	196412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	133200	49.017	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.040%		
35) Dibromofluoromethane	7.722	113	154213	50.633	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.260%		
50) Toluene-d8	10.179	98	600265	52.312	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.620%		
62) 4-Bromofluorobenzene	12.483	95	202082	49.918	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	2931	1.200	ug/l	78
3) Chloromethane	2.113	50	4256	1.431	ug/l	93
4) Vinyl Chloride	2.253	62	5342	1.350	ug/l	98
5) Bromomethane	2.656	94	5175	1.596	ug/l	92
6) Chloroethane	2.796	64	3640	1.399	ug/l	96
7) Trichlorofluoromethane	3.131	101	6837	1.366	ug/l	97
8) Diethyl Ether	3.534	74	2028	1.251	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.912	101	4344	1.399	ug/l	90
10) Methyl Iodide	4.101	142	3318	1.035	ug/l #	92
11) Tert butyl alcohol	4.948	59	1132	4.015	ug/l #	77
12) 1,1-Dichloroethene	3.881	96	4076	1.418	ug/l #	77
13) Acrolein	3.729	56	1066	4.645	ug/l	98
14) Allyl chloride	4.491	41	5255	1.390	ug/l #	86
15) Acrylonitrile	5.168	53	3794	4.915	ug/l	94
16) Acetone	3.948	43	2985	4.806	ug/l #	88
17) Carbon Disulfide	4.198	76	10378	1.275	ug/l	97
18) Methyl Acetate	4.473	43	3029	1.450	ug/l #	82
19) Methyl tert-butyl Ether	5.228	73	10083	1.235	ug/l #	89
20) Methylene Chloride	4.722	84	8569	2.350	ug/l #	74
21) trans-1,2-Dichloroethene	5.228	96	4952	1.488	ug/l #	71
22) Diisopropyl ether	6.125	45	11400	1.401	ug/l #	92
23) Vinyl Acetate	6.070	43	24381	4.837	ug/l #	89
24) 1,1-Dichloroethane	6.027	63	7305	1.356	ug/l	96
25) 2-Butanone	6.990	43	4629	4.897	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	7141	1.400	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	5489	1.423	ug/l	79
28) Bromochloromethane	7.344	49	2690	1.540	ug/l #	74
29) Tetrahydrofuran	7.350	42	2977	4.844	ug/l #	70
30) Chloroform	7.509	83	8616	1.478	ug/l	92
31) Cyclohexane	7.795	56	11997	2.362	ug/l #	31
32) 1,1,1-Trichloroethane	7.704	97	7737	1.436	ug/l	95
36) 1,1-Dichloropropene	7.923	75	6595	1.378	ug/l	98
37) Ethyl Acetate	7.076	43	2214m	0.991	ug/l	
38) Carbon Tetrachloride	7.899	117	6629	1.271	ug/l #	90
39) Methylcyclohexane	9.185	83	8465	1.311	ug/l #	84
40) Benzene	8.161	78	18379	1.343	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	1514m	1.349	ug/l	
42) 1,2-Dichloroethane	8.240	62	4801	1.251	ug/l	86
43) Isopropyl Acetate	8.277	43	4155	0.947	ug/l #	76
44) Trichloroethene	8.947	130	5176	1.308	ug/l	88
45) 1,2-Dichloropropane	9.216	63	4207	1.304	ug/l #	86
46) Dibromomethane	9.307	93	2580	1.217	ug/l	90
47) Bromodichloromethane	9.496	83	6129	1.264	ug/l #	88
48) Methyl methacrylate	9.295	41	1867	0.961	ug/l #	80
49) 1,4-Dioxane	9.313	88	426m	15.111	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	10276	4.644	ug/l #	85
52) Toluene	10.246	92	12082	1.346	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	5546	1.116	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	6836	1.215	ug/l #	84
55) 1,1,2-Trichloroethane	10.648	97	3481	1.189	ug/l	94
56) Ethyl methacrylate	10.514	69	3867	1.012	ug/l #	76
57) 1,3-Dichloropropane	10.795	76	5591	1.167	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.783	63	8440	5.333	ug/l	92
59) 2-Hexanone	10.831	43	6767	4.370	ug/l	84
60) Dibromochloromethane	10.984	129	3820	1.073	ug/l	99
61) 1,2-Dibromoethane	11.093	107	3116	1.068	ug/l	97
64) Tetrachloroethene	10.721	164	4671	1.360	ug/l #	87
65) Chlorobenzene	11.514	112	12990	1.289	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	4481	1.205	ug/l #	68
67) Ethyl Benzene	11.593	91	23360	1.322	ug/l	98
68) m/p-Xylenes	11.703	106	17528	2.495	ug/l	97
69) o-Xylene	12.032	106	8444	1.255	ug/l	95
70) Styrene	12.044	104	13477	1.224	ug/l	95
71) Bromoform	12.209	173	2023	0.901	ug/l #	100
73) Isopropylbenzene	12.331	105	22955	1.416	ug/l	100
74) N-amyl acetate	12.148	43	3548	0.996	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.587	83	3364	1.068	ug/l	91
76) 1,2,3-Trichloropropane	12.636	75	2602m	1.087	ug/l	
77) Bromobenzene	12.611	156	4799	1.290	ug/l	93
78) n-propylbenzene	12.672	91	27395	1.433	ug/l	98
79) 2-Chlorotoluene	12.758	91	15408	1.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	18276	1.376	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	878m	0.818	ug/l	
82) 4-Chlorotoluene	12.855	91	15575	1.431	ug/l	99
83) tert-Butylbenzene	13.075	119	17103	1.445	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	17827	1.378	ug/l	98
85) sec-Butylbenzene	13.258	105	24992	1.431	ug/l	99
86) p-Isopropyltoluene	13.373	119	19748	1.359	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	9931	1.347	ug/l	96
88) 1,4-Dichlorobenzene	13.447	146	10659m	1.449	ug/l	
89) n-Butylbenzene	13.696	91	18797	1.406	ug/l	99
90) Hexachloroethane	13.965	117	3639	1.292	ug/l	81
91) 1,2-Dichlorobenzene	13.745	146	8639	1.331	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	439	0.873	ug/l	80
93) 1,2,4-Trichlorobenzene	15.013	180	4957	1.275	ug/l	98
94) Hexachlorobutadiene	15.117	225	2794	1.358	ug/l	98
95) Naphthalene	15.239	128	9430	1.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	4212	1.252	ug/l	93

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

