

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012865.D
 Acq On : 08 Mar 2023 12:54
 Operator : KP/MD
 Sample : 01627-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 09 00:34:57 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	97689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45091	46.489	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.980%		
35) Dibromofluoromethane	7.716	113	44361	48.167	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.340%		
50) Toluene-d8	10.179	98	151085	44.873	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.740%		
62) 4-Bromofluorobenzene	12.483	95	50691	44.606	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4310	4.476	ug/l	98
3) Chloromethane	2.113	50	4826	4.192	ug/l #	87
4) Vinyl Chloride	2.253	62	4514	4.276	ug/l	95
5) Bromomethane	2.656	94	3197	4.984	ug/l	89
6) Chloroethane	2.796	64	2790	4.413	ug/l	96
7) Trichlorofluoromethane	3.125	101	8225	4.692	ug/l	98
8) Diethyl Ether	3.534	74	2634	4.287	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	4496	4.263	ug/l	98
10) Methyl Iodide	4.088	142	5178	3.768	ug/l #	92
11) Tert butyl alcohol	4.930	59	4624	23.165	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	4388	4.362	ug/l	83
13) Acrolein	3.729	56	3158	18.584	ug/l	97
14) Allyl chloride	4.479	41	6373	3.430	ug/l	91
15) Acrylonitrile	5.167	53	6082	18.788	ug/l	95
16) Acetone	3.942	43	7613	19.997	ug/l	92
17) Carbon Disulfide	4.198	76	13449	3.928	ug/l #	89
18) Methyl Acetate	4.479	43	4216	3.719	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	9893	3.807	ug/l	97
20) Methylene Chloride	4.716	84	10484	4.091	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	4861	4.447	ug/l #	83
22) Diisopropyl ether	6.125	45	12000	3.555	ug/l #	88
23) Vinyl Acetate	6.064	43	37344	17.808	ug/l	96
24) 1,1-Dichloroethane	6.021	63	8523	4.432	ug/l	95
25) 2-Butanone	6.990	43	9390	19.914	ug/l	99
26) 2,2-Dichloropropane	6.984	77	8501	4.977	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	5060	4.317	ug/l	92
28) Bromochloromethane	7.332	49	2356	3.352	ug/l #	99
29) Tetrahydrofuran	7.344	42	5095	17.915	ug/l	96
30) Chloroform	7.508	83	8852	4.660	ug/l	99
31) Cyclohexane	7.783	56	8318	4.478	ug/l #	68
32) 1,1,1-Trichloroethane	7.704	97	7582	4.413	ug/l	97
36) 1,1-Dichloropropene	7.917	75	6219	4.029	ug/l	97
37) Ethyl Acetate	7.070	43	3027	3.112	ug/l #	89
38) Carbon Tetrachloride	7.899	117	7217	4.528	ug/l	97
39) Methylcyclohexane	9.185	83	7156	3.900	ug/l	93
40) Benzene	8.161	78	18735	4.291	ug/l	98

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41) Methacrylonitrile	7.301	41	1249m	2.383	ug/l	
42) 1,2-Dichloroethane	8.234	62	5961	4.542	ug/l	99
43) Isopropyl Acetate	8.271	43	6655	3.835	ug/l	97
44) Trichloroethene	8.941	130	5052	4.389	ug/l	86
45) 1,2-Dichloropropane	9.209	63	4571	4.143	ug/l	98
46) Dibromomethane	9.307	93	2722	4.330	ug/l	95
47) Bromodichloromethane	9.496	83	6511	4.396	ug/l #	98
48) Methyl methacrylate	9.295	41	2997	3.748	ug/l	99
49) 1,4-Dioxane	9.301	88	578	71.130	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	16753	17.796	ug/l	100
52) Toluene	10.246	92	11463	4.354	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	6412	4.127	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	7066	4.018	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	3930	4.489	ug/l #	84
56) Ethyl methacrylate	10.508	69	4180	3.581	ug/l	96
57) 1,3-Dichloropropane	10.788	76	6332	4.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	10524	17.175	ug/l	93
59) 2-Hexanone	10.831	43	11931	17.438	ug/l	96
60) Dibromochloromethane	10.983	129	4617	4.333	ug/l	95
61) 1,2-Dibromoethane	11.087	107	3487	4.135	ug/l	97
64) Tetrachloroethene	10.721	164	4679	4.688	ug/l	97
65) Chlorobenzene	11.514	112	12318	4.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	4658	4.376	ug/l	98
67) Ethyl Benzene	11.593	91	19923	3.939	ug/l	97
68) m/p-Xylenes	11.697	106	14877	7.646	ug/l	96
69) o-Xylene	12.032	106	6892	3.795	ug/l	98
70) Styrene	12.044	104	11067	3.652	ug/l	96
71) Bromoform	12.209	173	3099	4.465	ug/l #	96
73) Isopropylbenzene	12.331	105	18211	3.855	ug/l	100
74) N-amyl acetate	12.142	43	5099	3.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	4594	4.326	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	3475m	4.366	ug/l	
77) Bromobenzene	12.605	156	5066	4.415	ug/l	96
78) n-propylbenzene	12.672	91	24395	4.189	ug/l	100
79) 2-Chlorotoluene	12.758	91	13363	4.128	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	15364	3.941	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	1449	3.772	ug/l	99
82) 4-Chlorotoluene	12.855	91	13805	4.120	ug/l	99
83) tert-Butylbenzene	13.075	119	12857	3.821	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	14215	3.729	ug/l	100
85) sec-Butylbenzene	13.251	105	20218	3.939	ug/l	99
86) p-Isopropyltoluene	13.367	119	15729	3.749	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	9865	4.457	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	10243	4.535	ug/l	94
89) n-Butylbenzene	13.696	91	14724	3.666	ug/l	98
90) Hexachloroethane	13.959	117	3841	4.396	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	8517	4.257	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	765	4.458	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	4875	3.957	ug/l	97
94) Hexachlorobutadiene	15.117	225	3375	4.492	ug/l	97
95) Naphthalene	15.239	128	8262	3.347	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	4032	3.680	ug/l	96

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

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