

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012844.D
 Acq On : 07 Mar 2023 14:57
 Operator : KP/MD
 Sample : 01627-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 08 00:31:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 08 00:21:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/08/2023
 Supervised By :Mahesh Dadoda 03/08/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	100182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	159281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	143975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	48000	48.257	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.520%		
35) Dibromofluoromethane	7.716	113	46531	48.406	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.820%		
50) Toluene-d8	10.179	98	159231	45.311	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.620%		
62) 4-Bromofluorobenzene	12.483	95	54145	45.649	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5298	5.365	ug/l	93
3) Chloromethane	2.113	50	6634	5.620	ug/l	100
4) Vinyl Chloride	2.253	62	6211	5.738	ug/l	99
5) Bromomethane	2.650	94	4229	6.429	ug/l	93
6) Chloroethane	2.796	64	3931	6.064	ug/l	91
7) Trichlorofluoromethane	3.125	101	10418	5.795	ug/l	93
8) Diethyl Ether	3.533	74	3470	5.508	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	6178	5.711	ug/l	98
10) Methyl Iodide	4.094	142	7006	4.971	ug/l	98
11) Tert butyl alcohol	4.948	59	5799	41.192	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	5831	5.652	ug/l	92
13) Acrolein	3.729	56	4892	28.072	ug/l	93
14) Allyl chloride	4.478	41	9326	4.894	ug/l	98
15) Acrylonitrile	5.161	53	8986	27.069	ug/l	99
16) Acetone	3.948	43	9931	25.437	ug/l	93
17) Carbon Disulfide	4.192	76	19177	5.461	ug/l	97
18) Methyl Acetate	4.478	43	6236	5.364	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	13807	5.181	ug/l	94
20) Methylene Chloride	4.710	84	11335	7.922	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	6077	5.421	ug/l	90
22) Diisopropyl ether	6.112	45	17192	4.967	ug/l #	88
23) Vinyl Acetate	6.057	43	52738	24.522	ug/l	96
24) 1,1-Dichloroethane	6.021	63	10878	5.515	ug/l	95
25) 2-Butanone	6.990	43	13498	27.913	ug/l	95
26) 2,2-Dichloropropane	6.978	77	10509	5.999	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	6486	5.396	ug/l	95
28) Bromochloromethane	7.338	49	3356	4.656	ug/l #	99
29) Tetrahydrofuran	7.344	42	7948	27.252	ug/l	97
30) Chloroform	7.502	83	10933	5.612	ug/l	98
31) Cyclohexane	7.783	56	10718	5.626	ug/l #	71
32) 1,1,1-Trichloroethane	7.697	97	9777	5.549	ug/l	98
36) 1,1-Dichloropropene	7.917	75	8852	5.495	ug/l	97
37) Ethyl Acetate	7.076	43	4860	4.787	ug/l #	94
38) Carbon Tetrachloride	7.899	117	8949	5.380	ug/l	97
39) Methylcyclohexane	9.185	83	9494	4.957	ug/l	98
40) Benzene	8.161	78	25345	5.562	ug/l	99

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41) Methacrylonitrile	7.319	41	2395m	4.378	ug/l	
42) 1,2-Dichloroethane	8.234	62	7977	5.823	ug/l	99
43) Isopropyl Acetate	8.270	43	9496	5.242	ug/l #	91
44) Trichloroethene	8.941	130	6701	5.578	ug/l	97
45) 1,2-Dichloropropane	9.215	63	6181	5.367	ug/l	100
46) Dibromomethane	9.301	93	3861	5.885	ug/l	98
47) Bromodichloromethane	9.496	83	8339	5.394	ug/l	100
48) Methyl methacrylate	9.295	41	3802	4.555	ug/l #	88
49) 1,4-Dioxane	9.295	88	919	108.356	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	25223	25.670	ug/l	99
52) Toluene	10.246	92	15307	5.570	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	8694	5.361	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	9749	5.311	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	4859	5.318	ug/l	94
56) Ethyl methacrylate	10.508	69	6166	5.061	ug/l	99
57) 1,3-Dichloropropane	10.788	76	8345	5.362	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	15426	24.120	ug/l	99
59) 2-Hexanone	10.831	43	17683	24.762	ug/l	97
60) Dibromochloromethane	10.983	129	6328	5.690	ug/l	100
61) 1,2-Dibromoethane	11.087	107	4990	5.670	ug/l	98
64) Tetrachloroethene	10.721	164	5963	5.689	ug/l	94
65) Chlorobenzene	11.520	112	16073	5.319	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	6281	5.617	ug/l	98
67) Ethyl Benzene	11.593	91	27480	5.173	ug/l	97
68) m/p-Xylenes	11.703	106	20447	10.005	ug/l	99
69) o-Xylene	12.032	106	9240	4.844	ug/l	100
70) Styrene	12.044	104	15581	4.895	ug/l	97
71) Bromoform	12.209	173	4151	5.694	ug/l #	99
73) Isopropylbenzene	12.331	105	24966	4.801	ug/l	99
74) N-amyl acetate	12.148	43	7549	4.614	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	6953	5.948	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	4060m	4.633	ug/l	
77) Bromobenzene	12.611	156	6916	5.474	ug/l	94
78) n-propylbenzene	12.672	91	32351	5.046	ug/l	99
79) 2-Chlorotoluene	12.757	91	18038	5.062	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	20585	4.797	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	2063	4.878	ug/l	99
82) 4-Chlorotoluene	12.855	91	18923	5.130	ug/l	99
83) tert-Butylbenzene	13.074	119	18171	4.906	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	20002	4.766	ug/l	100
85) sec-Butylbenzene	13.251	105	27602	4.884	ug/l	100
86) p-Isopropyltoluene	13.373	119	21924	4.747	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	13801	5.664	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	13836	5.564	ug/l	95
89) n-Butylbenzene	13.696	91	21848	4.941	ug/l	98
90) Hexachloroethane	13.965	117	5377	5.590	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	12059	5.475	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1141	6.039	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	6503	4.795	ug/l	99
94) Hexachlorobutadiene	15.111	225	4261	5.152	ug/l	99
95) Naphthalene	15.239	128	11604	4.270	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	5689	4.717	ug/l	96

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

