

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012842.D
 Acq On : 07 Mar 2023 14:12
 Operator : KP/MD
 Sample : 01627-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 08 00:25:42 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	89757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	142723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	127212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	41258	46.296	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.600%		
35) Dibromofluoromethane	7.722	113	41199	47.832	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.660%		
50) Toluene-d8	10.185	98	141370	44.896	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.800%		
62) 4-Bromofluorobenzene	12.483	95	46046	43.325	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	2781	3.143	ug/l	89
3) Chloromethane	2.113	50	3575	3.380	ug/l	99
4) Vinyl Chloride	2.259	62	3038	3.132	ug/l	89
5) Bromomethane	2.662	94	2063	3.501	ug/l	86
6) Chloroethane	2.802	64	1943	3.345	ug/l #	85
7) Trichlorofluoromethane	3.131	101	5064	3.144	ug/l	93
8) Diethyl Ether	3.528	74	1577	2.794	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	3234	3.337	ug/l	98
10) Methyl Iodide	4.095	142	3115	2.467	ug/l	98
11) Tert butyl alcohol	4.942	59	1981m	15.706	ug/l	
12) 1,1-Dichloroethene	3.881	96	2640	2.856	ug/l	93
13) Acrolein	3.735	56	1593	10.203	ug/l	92
14) Allyl chloride	4.485	41	4686	2.745	ug/l	96
15) Acrylonitrile	5.161	53	3746	12.595	ug/l	93
16) Acetone	3.948	43	4513	12.902	ug/l	93
17) Carbon Disulfide	4.198	76	9089	2.889	ug/l	98
18) Methyl Acetate	4.479	43	2691	2.583	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	6004	2.515	ug/l	96
20) Methylene Chloride	4.722	84	7526	5.871	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	3006	2.993	ug/l	97
22) Diisopropyl ether	6.119	45	7089	2.286	ug/l	92
23) Vinyl Acetate	6.064	43	21396	11.104	ug/l	95
24) 1,1-Dichloroethane	6.027	63	5149	2.914	ug/l	98
25) 2-Butanone	6.984	43	5325	12.291	ug/l	99
26) 2,2-Dichloropropane	6.984	77	5231	3.333	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	3087	2.867	ug/l	93
28) Bromochloromethane	7.332	49	1407	2.179	ug/l #	96
29) Tetrahydrofuran	7.350	42	2869	10.980	ug/l	99
30) Chloroform	7.509	83	5240	3.002	ug/l	97
31) Cyclohexane	7.789	56	6281	3.680	ug/l #	65
32) 1,1,1-Trichloroethane	7.704	97	4561	2.890	ug/l	96
36) 1,1-Dichloropropene	7.917	75	4080	2.827	ug/l	96
37) Ethyl Acetate	7.070	43	2099	2.307	ug/l #	92
38) Carbon Tetrachloride	7.905	117	4584	3.075	ug/l	94
39) Methylcyclohexane	9.179	83	4514	2.630	ug/l	94
40) Benzene	8.161	78	11207	2.745	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	848	1.730	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	3596	2.929	ug/l	98
43) Isopropyl Acetate	8.271	43	3518	2.167	ug/l #	90
44) Trichloroethene	8.941	130	2948	2.739	ug/l	96
45) 1,2-Dichloropropane	9.222	63	2801	2.714	ug/l	90
46) Dibromomethane	9.301	93	1690	2.875	ug/l	98
47) Bromodichloromethane	9.496	83	3858	2.785	ug/l #	92
48) Methyl methacrylate	9.295	41	1735	2.320	ug/l	97
49) 1,4-Dioxane	9.301	88	309	40.660	ug/l #	75
51) 4-Methyl-2-Pentanone	10.075	43	9035	10.262	ug/l	99
52) Toluene	10.246	92	6971	2.831	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	3633	2.500	ug/l	90
54) cis-1,3-Dichloropropene	9.929	75	4197	2.552	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	2062	2.519	ug/l	91
56) Ethyl methacrylate	10.514	69	2453	2.247	ug/l	98
57) 1,3-Dichloropropane	10.788	76	3578	2.566	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	5555	9.694	ug/l	97
59) 2-Hexanone	10.837	43	6133	9.585	ug/l	96
60) Dibromochloromethane	10.984	129	2685	2.694	ug/l	97
61) 1,2-Dibromoethane	11.093	107	2086	2.645	ug/l	97
64) Tetrachloroethene	10.727	164	2926	3.159	ug/l #	80
65) Chlorobenzene	11.520	112	7413	2.777	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	2761	2.795	ug/l	94
67) Ethyl Benzene	11.593	91	12188	2.596	ug/l	100
68) m/p-Xylenes	11.703	106	9525	5.275	ug/l	92
69) o-Xylene	12.032	106	4042	2.398	ug/l	99
70) Styrene	12.050	104	6698	2.382	ug/l	99
71) Bromoform	12.209	173	1681	2.610	ug/l #	91
73) Isopropylbenzene	12.331	105	10552	2.345	ug/l	99
74) N-amyl acetate	12.148	43	2807	1.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	2505	2.476	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	1908m	2.516	ug/l	
77) Bromobenzene	12.605	156	3008	2.752	ug/l	95
78) n-propylbenzene	12.672	91	14122	2.545	ug/l	100
79) 2-Chlorotoluene	12.758	91	8113	2.631	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	9293	2.502	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	805	2.200	ug/l	98
82) 4-Chlorotoluene	12.855	91	8054	2.523	ug/l	99
83) tert-Butylbenzene	13.075	119	7965	2.485	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	8468	2.332	ug/l	100
85) sec-Butylbenzene	13.258	105	12022	2.458	ug/l	98
86) p-Isopropyltoluene	13.373	119	9508	2.379	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	6272	2.975	ug/l	96
88) 1,4-Dichlorobenzene	13.446	146	6463	3.003	ug/l	90
89) n-Butylbenzene	13.696	91	10179	2.661	ug/l	96
90) Hexachloroethane	13.965	117	2576	3.095	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	5360	2.812	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	359	2.196	ug/l	85
93) 1,2,4-Trichlorobenzene	15.013	180	2844	2.424	ug/l	96
94) Hexachlorobutadiene	15.117	225	2314	3.233	ug/l	92
95) Naphthalene	15.245	128	4741	2.016	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	2518	2.413	ug/l	98

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

