

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
 Data File : VY016246.D
 Acq On : 07 Nov 2023 10:31
 Operator : SY/MD
 Sample : VY1107SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/08/2023
 Supervised By : Mahesh Dadoda 11/08/2023

Quant Time: Nov 07 23:43:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	160601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	263538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	230283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80176	53.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.728	113	78919	50.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.185	98	316507	50.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.483	95	106755	50.118	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18351	17.913	ug/l	89
3) Chloromethane	2.119	50	23636	16.664	ug/l	98
4) Vinyl Chloride	2.253	62	27166	18.557	ug/l	96
5) Bromomethane	2.650	94	18458	18.683	ug/l	97
6) Chloroethane	2.796	64	19383	18.807	ug/l	100
7) Trichlorofluoromethane	3.131	101	46494	21.037	ug/l	97
8) Diethyl Ether	3.534	74	15679	21.405	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	29250	21.008	ug/l	96
10) Methyl Iodide	4.095	142	28775	18.586	ug/l	95
11) Tert butyl alcohol	4.960	59	12725	113.331	ug/l #	78
12) 1,1-Dichloroethene	3.881	96	25157	19.796	ug/l	91
13) Acrolein	3.741	56	12281	114.488	ug/l	99
14) Allyl chloride	4.485	41	39531	21.748	ug/l #	94
15) Acrylonitrile	5.174	53	36151	115.495	ug/l	96
16) Acetone	3.954	43	25754	95.571	ug/l	94
17) Carbon Disulfide	4.204	76	49880	15.722	ug/l	99
18) Methyl Acetate	4.479	43	26911	22.267	ug/l	91
19) Methyl tert-butyl Ether	5.235	73	79471	21.985	ug/l	99
20) Methylene Chloride	4.729	84	35432	21.441	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	29486	19.919	ug/l	95
22) Diisopropyl ether	6.125	45	97630	22.206	ug/l	92
23) Vinyl Acetate	6.070	43	235986	109.322	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	57056	21.684	ug/l	98
25) 2-Butanone	6.990	43	45782	110.423	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	51887	20.860	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	37654	21.615	ug/l	91
28) Bromochloromethane	7.344	49	20917	21.243	ug/l	89
29) Tetrahydrofuran	7.356	42	29840	114.814	ug/l	90
30) Chloroform	7.515	83	62243	21.727	ug/l	99
31) Cyclohexane	7.795	56	43050	18.635	ug/l #	86
32) 1,1,1-Trichloroethane	7.710	97	55212	21.015	ug/l	98
36) 1,1-Dichloropropene	7.923	75	43928	19.363	ug/l	100
37) Ethyl Acetate	7.082	43	21771	21.545	ug/l	96
38) Carbon Tetrachloride	7.911	117	47928	21.324	ug/l	98
39) Methylcyclohexane	9.191	83	48598	17.946	ug/l	92
40) Benzene	8.167	78	129431	19.872	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11857m	20.215	ug/l	
42) 1,2-Dichloroethane	8.246	62	36910	20.307	ug/l	94
43) Isopropyl Acetate	8.277	43	43164	21.595	ug/l #	92
44) Trichloroethene	8.947	130	37388	19.616	ug/l	96
45) 1,2-Dichloropropane	9.222	63	33192	21.184	ug/l	94
46) Dibromomethane	9.313	93	18567	20.889	ug/l	96
47) Bromodichloromethane	9.502	83	48602	21.522	ug/l	99
48) Methyl methacrylate	9.301	41	17817	19.603	ug/l #	87
49) 1,4-Dioxane	9.307	88	4273	325.850	ug/l #	58
51) 4-Methyl-2-Pentanone	10.075	43	111058	111.356	ug/l	91
52) Toluene	10.246	92	84155	19.939	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	47216	20.944	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	55374	20.933	ug/l	89
55) 1,1,2-Trichloroethane	10.648	97	26629	21.299	ug/l	96
56) Ethyl methacrylate	10.514	69	34744	21.398	ug/l #	85
57) 1,3-Dichloropropane	10.795	76	44583	20.946	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	85213	108.228	ug/l	92
59) 2-Hexanone	10.837	43	77155	112.894	ug/l	90
60) Dibromochloromethane	10.990	129	33935	21.635	ug/l	99
61) 1,2-Dibromoethane	11.093	107	24732	20.797	ug/l	98
64) Tetrachloroethene	10.727	164	38162	18.631	ug/l	98
65) Chlorobenzene	11.520	112	92316	20.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35873	21.169	ug/l	97
67) Ethyl Benzene	11.599	91	164828	20.142	ug/l	99
68) m/p-Xylenes	11.709	106	125647	39.735	ug/l	95
69) o-Xylene	12.032	106	61012	20.208	ug/l	95
70) Styrene	12.050	104	100614	20.046	ug/l	97
71) Bromoform	12.215	173	20044	21.321	ug/l #	100
73) Isopropylbenzene	12.331	105	166123	20.317	ug/l	99
74) N-amyl acetate	12.148	43	37203	20.938	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	29087	22.356	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	21169m	20.623	ug/l	
77) Bromobenzene	12.611	156	38076	20.566	ug/l	95
78) n-propylbenzene	12.672	91	199023	20.588	ug/l	100
79) 2-Chlorotoluene	12.758	91	110412	20.479	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	134131	20.248	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	9914	20.941	ug/l	94
82) 4-Chlorotoluene	12.855	91	113660	20.530	ug/l	99
83) tert-Butylbenzene	13.081	119	123548	20.844	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	132704	20.245	ug/l	98
85) sec-Butylbenzene	13.258	105	181850	20.904	ug/l	100
86) p-Isopropyltoluene	13.373	119	146572	20.329	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	76357	20.853	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	75781	20.940	ug/l	99
89) n-Butylbenzene	13.696	91	139116	20.999	ug/l	96
90) Hexachloroethane	13.965	117	28101	22.617	ug/l	89
91) 1,2-Dichlorobenzene	13.745	146	66985	21.173	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4953	21.271	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	40611	20.798	ug/l	99
94) Hexachlorobutadiene	15.111	225	23548	22.069	ug/l	99
95) Naphthalene	15.239	128	75458	19.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34352	20.594	ug/l	99

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

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