

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
 Data File : VY016245.D
 Acq On : 07 Nov 2023 10:08
 Operator : SY/MD
 Sample : VY1107SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 23:42:23 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	169940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	237625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83244	52.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.700%			
35) Dibromofluoromethane	7.722	113	82365	50.223	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.185	98	325208	50.015	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.489	95	107641	48.413	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19426	17.920	ug/l	99
3) Chloromethane	2.113	50	23839	15.883	ug/l	96
4) Vinyl Chloride	2.253	62	26994	17.426	ug/l	94
5) Bromomethane	2.644	94	18074	17.289	ug/l	99
6) Chloroethane	2.796	64	19367	17.758	ug/l	99
7) Trichlorofluoromethane	3.131	101	46866	20.040	ug/l	99
8) Diethyl Ether	3.534	74	16381	21.134	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	30653	20.806	ug/l	95
10) Methyl Iodide	4.095	142	28035	17.113	ug/l	97
11) Tert butyl alcohol	4.960	59	14240	119.855	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	26051	19.373	ug/l	88
13) Acrolein	3.735	56	12325	108.136	ug/l	99
14) Allyl chloride	4.485	41	39704	20.642	ug/l #	94
15) Acrylonitrile	5.162	53	37020	111.772	ug/l	99
16) Acetone	3.948	43	27523	96.728	ug/l	98
17) Carbon Disulfide	4.198	76	50792	15.129	ug/l	98
18) Methyl Acetate	4.479	43	28115	21.985	ug/l #	89
19) Methyl tert-butyl Ether	5.235	73	81342	21.266	ug/l	98
20) Methylene Chloride	4.723	84	35358	20.036	ug/l	89
21) trans-1,2-Dichloroethene	5.229	96	29741	18.988	ug/l	92
22) Diisopropyl ether	6.125	45	99764	21.444	ug/l	89
23) Vinyl Acetate	6.064	43	242641	106.228	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	58358	20.960	ug/l	98
25) 2-Butanone	6.990	43	47585	108.464	ug/l	90
26) 2,2-Dichloropropane	6.990	77	53557	20.348	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	37539	20.365	ug/l	94
28) Bromochloromethane	7.338	49	20405	19.584	ug/l	87
29) Tetrahydrofuran	7.356	42	30593	111.242	ug/l	88
30) Chloroform	7.509	83	64563	21.299	ug/l	100
31) Cyclohexane	7.789	56	44409	18.167	ug/l #	80
32) 1,1,1-Trichloroethane	7.710	97	56312	20.256	ug/l	97
36) 1,1-Dichloropropene	7.923	75	44486	18.785	ug/l	99
37) Ethyl Acetate	7.082	43	22806	21.622	ug/l #	96
38) Carbon Tetrachloride	7.905	117	49996	21.310	ug/l	98
39) Methylcyclohexane	9.191	83	51146	18.094	ug/l	93
40) Benzene	8.167	78	130087	19.134	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	13441	21.954	ug/l #	86
42) 1,2-Dichloroethane	8.240	62	37614	19.825	ug/l	94
43) Isopropyl Acetate	8.277	43	44322	21.244	ug/l #	93
44) Trichloroethene	8.947	130	37988	19.094	ug/l	97
45) 1,2-Dichloropropane	9.222	63	34340	20.997	ug/l	96
46) Dibromomethane	9.307	93	18983	20.461	ug/l	96
47) Bromodichloromethane	9.502	83	49460	20.982	ug/l	96
48) Methyl methacrylate	9.301	41	18862	19.882	ug/l #	86
49) 1,4-Dioxane	9.307	88	4841	364.880	ug/l #	67
51) 4-Methyl-2-Pentanone	10.075	43	114176	109.677	ug/l	91
52) Toluene	10.252	92	85533	19.415	ug/l	94
53) t-1,3-Dichloropropene	10.472	75	48282	20.518	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	55985	20.275	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	27848	21.339	ug/l	98
56) Ethyl methacrylate	10.514	69	34963	20.629	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	46336	20.856	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	87916	106.974	ug/l	94
59) 2-Hexanone	10.837	43	80200	112.424	ug/l	91
60) Dibromochloromethane	10.990	129	34243	20.915	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25705	20.708	ug/l	97
64) Tetrachloroethene	10.728	164	38821	18.367	ug/l	95
65) Chlorobenzene	11.520	112	94284	19.971	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	36188	20.695	ug/l	96
67) Ethyl Benzene	11.599	91	166149	19.676	ug/l	98
68) m/p-Xylenes	11.709	106	127656	39.123	ug/l	94
69) o-Xylene	12.038	106	60698	19.483	ug/l	97
70) Styrene	12.051	104	101835	19.663	ug/l	96
71) Bromoform	12.215	173	20865	21.509	ug/l #	100
73) Isopropylbenzene	12.337	105	167894	20.074	ug/l	99
74) N-amyl acetate	12.148	43	37343	20.546	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	30023	22.559	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	20189m	19.228	ug/l	
77) Bromobenzene	12.618	156	38382	20.267	ug/l	96
78) n-propylbenzene	12.678	91	200334	20.260	ug/l	99
79) 2-Chlorotoluene	12.764	91	110459	20.028	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	134785	19.891	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	10228	21.121	ug/l	94
82) 4-Chlorotoluene	12.861	91	112298	19.829	ug/l	98
83) tert-Butylbenzene	13.081	119	124687	20.565	ug/l	97
84) 1,2,4-Trimethylbenzene	13.130	105	132229	19.721	ug/l	98
85) sec-Butylbenzene	13.264	105	182828	20.545	ug/l	99
86) p-Isopropyltoluene	13.380	119	150141	20.357	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	76194	20.343	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	73225	19.780	ug/l	99
89) n-Butylbenzene	13.703	91	137710	20.321	ug/l	97
90) Hexachloroethane	13.971	117	28630	22.526	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	65751	20.318	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4766	20.010	ug/l	97
93) 1,2,4-Trichlorobenzene	15.020	180	37508	18.778	ug/l	99
94) Hexachlorobutadiene	15.123	225	22586	20.693	ug/l	97
95) Naphthalene	15.245	128	68341	17.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	31226	18.301	ug/l	99

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

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