

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015461.D
 Acq On : 07 Sep 2023 10:58
 Operator : SY/MD
 Sample : VY0907SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0907SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

Quant Time: Sep 08 05:08:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	189814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92287	45.355	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.700%		
35) Dibromofluoromethane	7.710	113	82246	45.636	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.280%		
50) Toluene-d8	10.179	98	282582	43.297	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.600%		
62) 4-Bromofluorobenzene	12.477	95	106910	44.125	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25764	15.615	ug/l	97
3) Chloromethane	2.107	50	33379	15.233	ug/l	98
4) Vinyl Chloride	2.241	62	38877	15.243	ug/l	98
5) Bromomethane	2.619	94	28373	15.634	ug/l	100
6) Chloroethane	2.772	64	27836	16.604	ug/l	95
7) Trichlorofluoromethane	3.107	101	63203	17.519	ug/l	98
8) Diethyl Ether	3.515	74	24044	19.501	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.881	101	35165	17.586	ug/l	96
10) Methyl Iodide	4.076	142	33562	14.292	ug/l	99
11) Tert butyl alcohol	4.960	59	63053	128.574	ug/l #	90
12) 1,1-Dichloroethene	3.857	96	31565	16.729	ug/l	97
13) Acrolein	3.723	56	32179	65.919	ug/l	99
14) Allyl chloride	4.460	41	54436	18.120	ug/l	98
15) Acrylonitrile	5.155	53	83523	107.654	ug/l	99
16) Acetone	3.942	43	94195	110.908	ug/l	95
17) Carbon Disulfide	4.180	76	66845	11.850	ug/l	98
18) Methyl Acetate	4.466	43	65937	21.434	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	127802	20.840	ug/l	97
20) Methylene Chloride	4.698	84	54760	15.439	ug/l	90
21) trans-1,2-Dichloroethene	5.204	96	37455	17.238	ug/l	98
22) Diisopropyl ether	6.112	45	128441	19.548	ug/l	93
23) Vinyl Acetate	6.051	43	411144	99.108	ug/l	96
24) 1,1-Dichloroethane	6.003	63	72819	19.172	ug/l	96
25) 2-Butanone	6.984	43	137421	114.080	ug/l	97
26) 2,2-Dichloropropane	6.972	77	65248	20.226	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	48667	19.744	ug/l	94
28) Bromochloromethane	7.326	49	22574	19.381	ug/l	93
29) Tetrahydrofuran	7.344	42	82269	108.756	ug/l	92
30) Chloroform	7.496	83	80604	20.187	ug/l	98
31) Cyclohexane	7.777	56	55155	15.260	ug/l #	84
32) 1,1,1-Trichloroethane	7.691	97	68871	19.311	ug/l	99
36) 1,1-Dichloropropene	7.911	75	53963	17.053	ug/l	100
37) Ethyl Acetate	7.070	43	50736	20.788	ug/l #	95
38) Carbon Tetrachloride	7.893	117	59123	18.090	ug/l	100
39) Methylcyclohexane	9.179	83	63177	15.858	ug/l	93
40) Benzene	8.155	78	162703	18.428	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24608m	21.501	ug/l	
42) 1,2-Dichloroethane	8.228	62	58523	19.878	ug/l	95
43) Isopropyl Acetate	8.264	43	89197	21.135	ug/l	97
44) Trichloroethene	8.935	130	48036	19.230	ug/l	91
45) 1,2-Dichloropropane	9.209	63	43765	19.664	ug/l	99
46) Dibromomethane	9.301	93	29017	19.627	ug/l	99
47) Bromodichloromethane	9.490	83	65352	20.670	ug/l	99
48) Methyl methacrylate	9.289	41	39265	20.278	ug/l	93
49) 1,4-Dioxane	9.301	88	12568	457.665	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	271666	110.749	ug/l	94
52) Toluene	10.240	92	107231	18.949	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	68756	20.463	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	73619	20.141	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	42229	21.199	ug/l	94
56) Ethyl methacrylate	10.508	69	61223	20.739	ug/l	92
57) 1,3-Dichloropropane	10.788	76	70545	20.573	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	111419	105.743	ug/l	94
59) 2-Hexanone	10.831	43	207583	112.781	ug/l	91
60) Dibromochloromethane	10.977	129	49413	21.193	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41874	20.745	ug/l	100
64) Tetrachloroethene	10.715	164	54187	20.791	ug/l	98
65) Chlorobenzene	11.514	112	122657	19.823	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	46357	20.469	ug/l	99
67) Ethyl Benzene	11.587	91	211098	19.000	ug/l	98
68) m/p-Xylenes	11.697	106	164815	38.270	ug/l	95
69) o-Xylene	12.026	106	79695	19.363	ug/l	99
70) Styrene	12.044	104	137063	19.805	ug/l	97
71) Bromoform	12.203	173	35086	22.209	ug/l #	98
73) Isopropylbenzene	12.325	105	210638	18.845	ug/l	100
74) N-amyl acetate	12.142	43	76782	20.447	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	54595	20.461	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	40244m	20.394	ug/l	
77) Bromobenzene	12.605	156	52671	19.896	ug/l	99
78) n-propylbenzene	12.666	91	253810	18.766	ug/l	99
79) 2-Chlorotoluene	12.751	91	144606	19.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	180027	19.256	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	18636	20.833	ug/l	97
82) 4-Chlorotoluene	12.849	91	151704	19.242	ug/l	100
83) tert-Butylbenzene	13.075	119	157828	19.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	178040	19.180	ug/l	97
85) sec-Butylbenzene	13.251	105	233754	19.139	ug/l	100
86) p-Isopropyltoluene	13.367	119	198297	19.372	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	105882	20.260	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	106406	20.141	ug/l	99
89) n-Butylbenzene	13.690	91	183824	19.080	ug/l	97
90) Hexachloroethane	13.959	117	36069	19.702	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	97107	20.360	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11662	22.095	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	63551	21.217	ug/l	98
94) Hexachlorobutadiene	15.111	225	34499	21.123	ug/l	97
95) Naphthalene	15.233	128	171685	23.139	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	60046	21.978	ug/l	98

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

