

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY015999.D
 Acq On : 17 Oct 2023 12:46
 Operator : SY/MD
 Sample : VY1017SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1017SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 18 09:48:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	195411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	315711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	290998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	151569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	105858	47.466	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.940%		
35) Dibromofluoromethane	7.716	113	94638	47.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.220%		
50) Toluene-d8	10.185	98	374192	50.272	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.540%		
62) 4-Bromofluorobenzene	12.489	95	130327	49.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27743	16.967	ug/l	96
3) Chloromethane	2.113	50	45094	14.540	ug/l	98
4) Vinyl Chloride	2.253	62	38774	18.538	ug/l	99
5) Bromomethane	2.656	94	24621	20.811	ug/l	96
6) Chloroethane	2.796	64	19142	14.161	ug/l	96
7) Trichlorofluoromethane	3.119	101	72605	20.465	ug/l	98
8) Diethyl Ether	3.527	74	25393	19.151	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.881	101	41400	20.523	ug/l	96
10) Methyl Iodide	4.076	142	44563	19.211	ug/l	99
11) Tert butyl alcohol	5.210	59	140581m	108.649	ug/l	
12) 1,1-Dichloroethene	3.850	96	39342	20.702	ug/l	93
13) Acrolein	3.741	56	59257	140.685	ug/l	100
14) Allyl chloride	4.466	41	67268	21.905	ug/l	91
15) Acrylonitrile	5.198	53	167219	143.158	ug/l	93
16) Acetone	4.009	43	181571	140.156	ug/l	93
17) Carbon Disulfide	4.174	76	112274	19.329	ug/l	98
18) Methyl Acetate	4.503	43	105091	23.387	ug/l	93
19) Methyl tert-butyl Ether	5.234	73	131332	20.615	ug/l	99
20) Methylene Chloride	4.710	84	55866	20.103	ug/l	93
21) trans-1,2-Dichloroethene	5.204	96	44761	20.151	ug/l	94
22) Diisopropyl ether	6.137	45	134137	21.035	ug/l	93
23) Vinyl Acetate	6.070	43	422884	100.803	ug/l	96
24) 1,1-Dichloroethane	6.003	63	79296	20.900	ug/l	96
25) 2-Butanone	7.033	43	202887	107.605	ug/l	97
26) 2,2-Dichloropropane	6.972	77	51321	16.289	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	46657	18.680	ug/l	91
28) Bromochloromethane	7.332	49	35091	20.725	ug/l	95
29) Tetrahydrofuran	7.386	42	161391	124.871	ug/l	93
30) Chloroform	7.502	83	76220	19.355	ug/l	96
31) Cyclohexane	7.777	56	64103	18.056	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	66246	18.914	ug/l	98
36) 1,1-Dichloropropene	7.917	75	57987	19.335	ug/l	100
37) Ethyl Acetate	7.094	43	87794m	18.973	ug/l	
38) Carbon Tetrachloride	7.892	117	59163	18.732	ug/l	98
39) Methylcyclohexane	9.185	83	66855	17.375	ug/l	93
40) Benzene	8.161	78	165086	19.025	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	32318	21.182	ug/l #	86
42) 1,2-Dichloroethane	8.240	62	52857	18.984	ug/l	94
43) Isopropyl Acetate	8.289	43	106868	21.497	ug/l #	87
44) Trichloroethene	8.941	130	55818	20.874	ug/l	99
45) 1,2-Dichloropropane	9.221	63	43037	19.437	ug/l	99
46) Dibromomethane	9.307	93	29178	18.748	ug/l	96
47) Bromodichloromethane	9.502	83	58815	18.714	ug/l	97
48) Methyl methacrylate	9.307	41	41918	19.090	ug/l	88
49) 1,4-Dioxane	9.380	88	10060	231.779	ug/l #	1
51) 4-Methyl-2-Pentanone	10.087	43	422365	115.287	ug/l	90
52) Toluene	10.246	92	106814	19.253	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	63684	18.073	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	68194	18.003	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	44370	20.024	ug/l	96
56) Ethyl methacrylate	10.520	69	65003	18.739	ug/l #	86
57) 1,3-Dichloropropane	10.794	76	72219	19.212	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	177802	116.805	ug/l	95
59) 2-Hexanone	10.849	43	376592	120.422	ug/l	87
60) Dibromochloromethane	10.989	129	48974	19.435	ug/l	100
61) 1,2-Dibromoethane	11.093	107	47386	19.764	ug/l	99
64) Tetrachloroethene	10.721	164	56464	22.259	ug/l	96
65) Chlorobenzene	11.520	112	115775	18.988	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.599	131	43780	19.397	ug/l	98
67) Ethyl Benzene	11.599	91	201919	18.940	ug/l	100
68) m/p-Xylenes	11.709	106	158475	38.518	ug/l	95
69) o-Xylene	12.038	106	74195	18.862	ug/l	98
70) Styrene	12.050	104	131261	19.608	ug/l	95
71) Bromoform	12.215	173	37432	19.475	ug/l #	100
73) Isopropylbenzene	12.337	105	197512	18.408	ug/l	100
74) N-amyl acetate	12.154	43	81801	18.871	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	53274	16.165	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	62781m	21.165	ug/l	
77) Bromobenzene	12.617	156	51004	18.935	ug/l	91
78) n-propylbenzene	12.678	91	244715	18.755	ug/l	99
79) 2-Chlorotoluene	12.764	91	137403	18.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	167029	18.737	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	23306	18.509	ug/l	94
82) 4-Chlorotoluene	12.861	91	144096	18.998	ug/l	98
83) tert-Butylbenzene	13.081	119	140021	17.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	167351	18.702	ug/l	98
85) sec-Butylbenzene	13.257	105	217438	18.704	ug/l	100
86) p-Isopropyltoluene	13.373	119	182435	18.780	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	98639	19.069	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	99519	19.052	ug/l	99
89) n-Butylbenzene	13.702	91	169904	18.599	ug/l	98
90) Hexachloroethane	13.965	117	34434	18.494	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	92665	19.093	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	21615	22.927	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	57700	18.088	ug/l	99
94) Hexachlorobutadiene	15.117	225	29361	18.127	ug/l	99
95) Naphthalene	15.245	128	195615	18.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	55315	18.087	ug/l	99

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

