

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY015997.D
 Acq On : 17 Oct 2023 11:43
 Operator : SY/MD
 Sample : VY1017SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1017SBS01

Quant Time: Oct 18 06:04:34 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	196381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	312120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	281049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88080	39.299	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.600%		
35) Dibromofluoromethane	7.716	113	78356	39.877	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.760%		
50) Toluene-d8	10.179	98	332734	45.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.440%		
62) 4-Bromofluorobenzene	12.483	95	113248	43.220	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30922	18.818	ug/l	96
3) Chloromethane	2.113	50	47453	15.467	ug/l	98
4) Vinyl Chloride	2.247	62	43205	20.554	ug/l	100
5) Bromomethane	2.656	94	26345	22.158	ug/l	94
6) Chloroethane	2.802	64	24077	17.724	ug/l	97
7) Trichlorofluoromethane	3.125	101	80098	22.466	ug/l	98
8) Diethyl Ether	3.534	74	24269	18.213	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	44272	21.838	ug/l	95
10) Methyl Iodide	4.082	142	45156	19.370	ug/l	98
11) Tert butyl alcohol	5.247	59	75672m	58.195	ug/l	
12) 1,1-Dichloroethene	3.863	96	40309	21.106	ug/l	97
13) Acrolein	3.747	56	32692	77.232	ug/l	90
14) Allyl chloride	4.473	41	62220	20.161	ug/l	92
15) Acrylonitrile	5.186	53	82569	70.339	ug/l	94
16) Acetone	3.991	43	95829m	73.606	ug/l	
17) Carbon Disulfide	4.186	76	120684	20.674	ug/l	100
18) Methyl Acetate	4.503	43	73850	16.353	ug/l	92
19) Methyl tert-butyl Ether	5.235	73	104889	16.383	ug/l	94
20) Methylene Chloride	4.710	84	48097	16.573	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	43255	19.377	ug/l	96
22) Diisopropyl ether	6.131	45	118956	18.562	ug/l	95
23) Vinyl Acetate	6.070	43	304821	72.301	ug/l	95
24) 1,1-Dichloroethane	6.015	63	73678	19.323	ug/l	98
25) 2-Butanone	7.021	43	85090	44.906	ug/l	95
26) 2,2-Dichloropropane	6.978	77	50958	16.094	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	46173	18.395	ug/l	91
28) Bromochloromethane	7.338	49	31217	18.346	ug/l	95
29) Tetrahydrofuran	7.374	42	114272	87.978	ug/l	98
30) Chloroform	7.509	83	75723	19.134	ug/l	95
31) Cyclohexane	7.783	56	69834	19.573	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	69510	19.748	ug/l	96
36) 1,1-Dichloropropene	7.917	75	61852	20.862	ug/l	99
37) Ethyl Acetate	7.088	43	91061m	19.906	ug/l	
38) Carbon Tetrachloride	7.899	117	64304	20.594	ug/l	96
39) Methylcyclohexane	9.185	83	75202	19.770	ug/l	94
40) Benzene	8.161	78	170666	19.895	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	24316m	16.121	ug/l	
42) 1,2-Dichloroethane	8.240	62	49771	18.082	ug/l	92
43) Isopropyl Acetate	8.283	43	80579	16.396	ug/l #	90
44) Trichloroethene	8.941	130	61705	23.341	ug/l	98
45) 1,2-Dichloropropane	9.222	63	42481	19.407	ug/l	99
46) Dibromomethane	9.307	93	27255	17.714	ug/l	97
47) Bromodichloromethane	9.496	83	59216	19.059	ug/l	100
48) Methyl methacrylate	9.301	41	33803	15.571	ug/l #	80
49) 1,4-Dioxane	9.386	88	13883m	323.540	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	327021	90.290	ug/l	95
52) Toluene	10.246	92	111914	20.405	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	61141	17.550	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	66794	17.836	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	39378	17.976	ug/l	93
56) Ethyl methacrylate	10.514	69	58112	16.945	ug/l	87
57) 1,3-Dichloropropane	10.795	76	69142	18.605	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	163151	108.414	ug/l	98
59) 2-Hexanone	10.837	43	260761	84.342	ug/l	87
60) Dibromochloromethane	10.984	129	46922	18.835	ug/l	100
61) 1,2-Dibromoethane	11.093	107	43401	18.310	ug/l	99
64) Tetrachloroethene	10.721	164	62981	25.707	ug/l	98
65) Chlorobenzene	11.520	112	119321	20.263	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	43752	20.071	ug/l	98
67) Ethyl Benzene	11.593	91	212770	20.664	ug/l	99
68) m/p-Xylenes	11.703	106	165001	41.523	ug/l	96
69) o-Xylene	12.032	106	77808	20.481	ug/l	95
70) Styrene	12.044	104	131682	20.367	ug/l	96
71) Bromoform	12.209	173	34190	18.418	ug/l #	100
73) Isopropylbenzene	12.331	105	209148	20.320	ug/l	99
74) N-amyl acetate	12.148	43	69707	16.764	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	41851	13.238	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	57242m	20.118	ug/l	
77) Bromobenzene	12.611	156	51023	19.747	ug/l	94
78) n-propylbenzene	12.672	91	259631	20.744	ug/l	99
79) 2-Chlorotoluene	12.758	91	142436	20.120	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	175383	20.510	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	19729	16.334	ug/l	92
82) 4-Chlorotoluene	12.855	91	148940	20.471	ug/l	99
83) tert-Butylbenzene	13.075	119	150613	20.045	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	174462	20.325	ug/l	98
85) sec-Butylbenzene	13.258	105	234520	21.031	ug/l	100
86) p-Isopropyltoluene	13.373	119	192672	20.676	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	100085	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	100621	20.081	ug/l	98
89) n-Butylbenzene	13.696	91	181049	20.661	ug/l	97
90) Hexachloroethane	13.965	117	35789	20.038	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	91746	19.707	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14322	15.837	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	53817	17.587	ug/l	99
94) Hexachlorobutadiene	15.117	225	29739	19.141	ug/l	98
95) Naphthalene	15.239	128	157623	15.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	50212	17.116	ug/l	99

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

