

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016022.D
 Acq On : 18 Oct 2023 16:03
 Operator : SY/MD
 Sample : VY1018SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1018SBS01

Quant Time: Oct 19 03:23:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	216135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	346908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	315722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112729	45.890	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.780%		
35) Dibromofluoromethane	7.716	113	103566	45.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.720%		
50) Toluene-d8	10.179	98	374554	45.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.340%		
62) 4-Bromofluorobenzene	12.483	95	134431	45.431	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33371	18.681	ug/l	97
3) Chloromethane	2.107	50	43799	19.418	ug/l	99
4) Vinyl Chloride	2.247	62	48282	19.073	ug/l	94
5) Bromomethane	2.650	94	31095	16.839	ug/l	95
6) Chloroethane	2.784	64	29779	18.294	ug/l	98
7) Trichlorofluoromethane	3.119	101	75264	19.537	ug/l	98
8) Diethyl Ether	3.527	74	27822	20.442	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	43542	19.649	ug/l	96
10) Methyl Iodide	4.088	142	53545	18.504	ug/l	98
11) Tert butyl alcohol	5.003	59	37111	97.865	ug/l	100
12) 1,1-Dichloroethene	3.869	96	40262	19.418	ug/l	90
13) Acrolein	3.735	56	34032	123.610	ug/l	99
14) Allyl chloride	4.472	41	63451	19.570	ug/l	95
15) Acrylonitrile	5.167	53	84187	103.683	ug/l	99
16) Acetone	3.966	43	94302	103.560	ug/l	94
17) Carbon Disulfide	4.186	76	116582	19.192	ug/l	99
18) Methyl Acetate	4.478	43	65013	20.743	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	132633	19.828	ug/l	100
20) Methylene Chloride	4.710	84	68936	25.483	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	47188	19.543	ug/l	96
22) Diisopropyl ether	6.118	45	138573	19.628	ug/l	95
23) Vinyl Acetate	6.057	43	442409	101.023	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	81233	19.395	ug/l	96
25) 2-Butanone	6.990	43	133047	106.670	ug/l	94
26) 2,2-Dichloropropane	6.978	77	70845	18.800	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	52876	19.015	ug/l	93
28) Bromochloromethane	7.332	49	36896	20.598	ug/l	90
29) Tetrahydrofuran	7.356	42	79535	105.347	ug/l	91
30) Chloroform	7.502	83	86126	19.179	ug/l	95
31) Cyclohexane	7.783	56	74432	19.358	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	77396	19.262	ug/l	99
36) 1,1-Dichloropropene	7.917	75	65982	19.207	ug/l	99
37) Ethyl Acetate	7.076	43	53443	21.582	ug/l #	95
38) Carbon Tetrachloride	7.899	117	71681	19.632	ug/l	98
39) Methylcyclohexane	9.185	83	81701	19.030	ug/l	92
40) Benzene	8.161	78	187777	19.394	ug/l	99

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41) Methacrylonitrile	7.307	41	26543m	20.663	ug/l	
42) 1,2-Dichloroethane	8.234	62	61194	19.621	ug/l	94
43) Isopropyl Acetate	8.270	43	87535	20.219	ug/l	95
44) Trichloroethene	8.935	130	53228	19.607	ug/l	98
45) 1,2-Dichloropropane	9.215	63	48035	19.824	ug/l	97
46) Dibromomethane	9.301	93	32288	20.071	ug/l	95
47) Bromodichloromethane	9.496	83	69289	19.652	ug/l	98
48) Methyl methacrylate	9.295	41	39600	20.094	ug/l	88
49) 1,4-Dioxane	9.337	88	12278	479.325	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	266223	106.931	ug/l	93
52) Toluene	10.246	92	122613	19.524	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	73326	19.198	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	79899	19.191	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	45427	20.555	ug/l	94
56) Ethyl methacrylate	10.508	69	65364	20.238	ug/l	86
57) 1,3-Dichloropropane	10.788	76	75287	20.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	168641	108.706	ug/l	93
59) 2-Hexanone	10.831	43	208352	109.994	ug/l	91
60) Dibromochloromethane	10.983	129	52596	19.678	ug/l	99
61) 1,2-Dibromoethane	11.093	107	44985	20.001	ug/l	99
64) Tetrachloroethene	10.721	164	48599	19.851	ug/l	96
65) Chlorobenzene	11.514	112	132634	19.398	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	49781	19.316	ug/l	98
67) Ethyl Benzene	11.593	91	234738	19.401	ug/l	100
68) m/p-Xylenes	11.703	106	183388	38.869	ug/l	94
69) o-Xylene	12.032	106	87676	19.534	ug/l	95
70) Styrene	12.044	104	147465	19.277	ug/l	96
71) Bromoform	12.209	173	36038	19.873	ug/l #	99
73) Isopropylbenzene	12.331	105	232146	19.243	ug/l	100
74) N-amyl acetate	12.148	43	76516	20.080	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	60888	20.151	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	48027m	21.032	ug/l	
77) Bromobenzene	12.611	156	56999	19.465	ug/l	100
78) n-propylbenzene	12.672	91	280796	19.324	ug/l	99
79) 2-Chlorotoluene	12.757	91	155310	19.042	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	192949	19.309	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	20349	19.452	ug/l	96
82) 4-Chlorotoluene	12.855	91	162236	19.059	ug/l	99
83) tert-Butylbenzene	13.075	119	168788	19.263	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	191451	19.293	ug/l	98
85) sec-Butylbenzene	13.257	105	254006	19.410	ug/l	100
86) p-Isopropyltoluene	13.373	119	213659	19.537	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	109817	19.275	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	110612	19.283	ug/l	99
89) n-Butylbenzene	13.696	91	197656	19.414	ug/l	96
90) Hexachloroethane	13.965	117	39165	18.786	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	101106	19.328	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11741	20.413	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	63640	19.097	ug/l	98
94) Hexachlorobutadiene	15.111	225	34744	19.196	ug/l	99
95) Naphthalene	15.239	128	162208	19.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	58963	19.371	ug/l	99

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

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