

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016036.D
 Acq On : 19 Oct 2023 14:25
 Operator : SY/MD
 Sample : VY1019SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1019SBS01

Quant Time: Oct 20 05:35:45 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 10/20/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	197593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	321739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	98301	43.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.540%		
35) Dibromofluoromethane	7.716	113	94938	44.830	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.660%		
50) Toluene-d8	10.179	98	341242	44.368	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.740%		
62) 4-Bromofluorobenzene	12.483	95	118221	43.078	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31073	19.027	ug/l	98
3) Chloromethane	2.113	50	41388	20.071	ug/l	98
4) Vinyl Chloride	2.247	62	46025	19.888	ug/l	99
5) Bromomethane	2.656	94	32702	19.372	ug/l	97
6) Chloroethane	2.796	64	28069	18.862	ug/l	94
7) Trichlorofluoromethane	3.119	101	75080	21.318	ug/l	96
8) Diethyl Ether	3.534	74	27009	21.707	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	42307	20.883	ug/l	94
10) Methyl Iodide	4.088	142	49143	18.577	ug/l	98
11) Tert butyl alcohol	5.100	59	45964m	132.586	ug/l	
12) 1,1-Dichloroethene	3.869	96	38851	20.495	ug/l	89
13) Acrolein	3.741	56	33238	133.207	ug/l	98
14) Allyl chloride	4.479	41	60172	20.300	ug/l	94
15) Acrylonitrile	5.173	53	86003	115.859	ug/l	97
16) Acetone	3.985	43	96170	115.522	ug/l #	88
17) Carbon Disulfide	4.192	76	111362	20.053	ug/l	99
18) Methyl Acetate	4.485	43	67188	23.449	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	126238	20.643	ug/l	99
20) Methylene Chloride	4.716	84	62476	25.262	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	44800	20.295	ug/l	94
22) Diisopropyl ether	6.125	45	133053	20.615	ug/l	97
23) Vinyl Acetate	6.064	43	407683	101.829	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	78107	20.399	ug/l	96
25) 2-Butanone	6.996	43	135248	118.610	ug/l	95
26) 2,2-Dichloropropane	6.978	77	66713	19.365	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	50557	19.887	ug/l	93
28) Bromochloromethane	7.338	49	35342	21.582	ug/l	91
29) Tetrahydrofuran	7.362	42	88488	128.204	ug/l	91
30) Chloroform	7.508	83	82641	20.130	ug/l	97
31) Cyclohexane	7.789	56	70968	20.190	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	73384	19.978	ug/l	99
36) 1,1-Dichloropropene	7.917	75	62895	19.740	ug/l	98
37) Ethyl Acetate	7.082	43	62136	27.055	ug/l	98
38) Carbon Tetrachloride	7.899	117	67460	19.921	ug/l	99
39) Methylcyclohexane	9.185	83	77667	19.506	ug/l	93
40) Benzene	8.161	78	179255	19.962	ug/l	100

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41) Methacrylonitrile	7.313	41	26093m	21.901	ug/l	
42) 1,2-Dichloroethane	8.240	62	56464	19.520	ug/l	94
43) Isopropyl Acetate	8.277	43	88972	22.158	ug/l	97
44) Trichloroethene	8.941	130	52824	20.980	ug/l	97
45) 1,2-Dichloropropane	9.215	63	45771	20.367	ug/l	98
46) Dibromomethane	9.307	93	29991	20.102	ug/l	97
47) Bromodichloromethane	9.496	83	64373	19.686	ug/l	93
48) Methyl methacrylate	9.295	41	38900	21.283	ug/l	86
49) 1,4-Dioxane	9.374	88	12659	532.859	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	281642	121.973	ug/l	92
52) Toluene	10.246	92	116076	19.929	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	69270	19.555	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	76831	19.898	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	41838	20.412	ug/l	98
56) Ethyl methacrylate	10.514	69	62243	20.779	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	70859	20.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	153450	106.652	ug/l	94
59) 2-Hexanone	10.837	43	220545	125.540	ug/l	89
60) Dibromochloromethane	10.983	129	48984	19.761	ug/l	99
61) 1,2-Dibromoethane	11.087	107	42493	20.371	ug/l	100
64) Tetrachloroethene	10.721	164	51591	23.130	ug/l	96
65) Chlorobenzene	11.514	112	125420	20.133	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	47140	20.076	ug/l	99
67) Ethyl Benzene	11.593	91	221747	20.116	ug/l	97
68) m/p-Xylenes	11.703	106	172189	40.057	ug/l	95
69) o-Xylene	12.032	106	82224	20.107	ug/l	96
70) Styrene	12.044	104	137455	19.722	ug/l	96
71) Bromoform	12.209	173	33910	20.524	ug/l #	100
73) Isopropylbenzene	12.331	105	214478	20.216	ug/l	100
74) N-amyl acetate	12.142	43	74980	22.375	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	57939	21.804	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	45968m	22.890	ug/l	
77) Bromobenzene	12.611	156	52747	20.483	ug/l	97
78) n-propylbenzene	12.672	91	264267	20.680	ug/l	100
79) 2-Chlorotoluene	12.758	91	147295	20.535	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	178882	20.356	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	19590	21.294	ug/l	95
82) 4-Chlorotoluene	12.855	91	154094	20.584	ug/l	100
83) tert-Butylbenzene	13.075	119	154487	20.048	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	177209	20.307	ug/l	99
85) sec-Butylbenzene	13.251	105	234625	20.387	ug/l	100
86) p-Isopropyltoluene	13.367	119	193962	20.168	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	101685	20.295	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	104751	20.765	ug/l	99
89) n-Butylbenzene	13.696	91	180706	20.183	ug/l	96
90) Hexachloroethane	13.959	117	36952	20.155	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	93208	20.262	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11239	22.219	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	56575	19.305	ug/l	99
94) Hexachlorobutadiene	15.111	225	29805	18.725	ug/l	100
95) Naphthalene	15.233	128	145236	20.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	50975	19.043	ug/l	98

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

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