

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111323\
 Data File : VY016318.D
 Acq On : 13 Nov 2023 10:53
 Operator : SY/MD
 Sample : VY1113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBS01

Quant Time: Nov 14 04:36:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	161799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	260884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	226517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	103453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	73804	49.909	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.820%			
35) Dibromofluoromethane	7.740	113	78930	53.260	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.520%			
50) Toluene-d8	10.197	98	309297	51.466	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.496	95	98080	50.249	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	31618	19.957	ug/l	100
3) Chloromethane	2.125	50	35241	18.993	ug/l	99
4) Vinyl Chloride	2.266	62	36379	18.234	ug/l	96
5) Bromomethane	2.668	94	23555	17.965	ug/l	97
6) Chloroethane	2.814	64	24231	19.033	ug/l	97
7) Trichlorofluoromethane	3.150	101	58225	20.059	ug/l	95
8) Diethyl Ether	3.546	74	16919	19.502	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.924	101	35726	20.435	ug/l	95
10) Methyl Iodide	4.113	142	34147	18.084	ug/l	98
11) Tert butyl alcohol	4.997	59	8898	76.839	ug/l #	77
12) 1,1-Dichloroethene	3.900	96	31968	19.552	ug/l	89
13) Acrolein	3.753	56	12978	92.915	ug/l	99
14) Allyl chloride	4.509	41	45220	19.489	ug/l #	94
15) Acrylonitrile	5.192	53	32453	94.262	ug/l	98
16) Acetone	3.967	43	28624	117.020	ug/l	91
17) Carbon Disulfide	4.223	76	88591	17.958	ug/l	99
18) Methyl Acetate	4.503	43	24677	18.986	ug/l #	90
19) Methyl tert-butyl Ether	5.253	73	75328	19.035	ug/l	97
20) Methylene Chloride	4.747	84	36848	19.178	ug/l	88
21) trans-1,2-Dichloroethene	5.247	96	36638	19.462	ug/l	93
22) Diisopropyl ether	6.149	45	100674	20.133	ug/l	88
23) Vinyl Acetate	6.088	43	231960	95.736	ug/l #	89
24) 1,1-Dichloroethane	6.045	63	62653	20.310	ug/l	97
25) 2-Butanone	7.009	43	44413	103.661	ug/l	95
26) 2,2-Dichloropropane	7.003	77	56615	20.165	ug/l	96
27) cis-1,2-Dichloroethene	7.009	96	40844	20.132	ug/l	91
28) Bromochloromethane	7.362	49	22218	19.461	ug/l	90
29) Tetrahydrofuran	7.368	42	25062	88.500	ug/l	91
30) Chloroform	7.527	83	65465	20.388	ug/l	95
31) Cyclohexane	7.807	56	55230	18.970	ug/l	90
32) 1,1,1-Trichloroethane	7.722	97	59410	20.184	ug/l	97
36) 1,1-Dichloropropene	7.941	75	50473	19.614	ug/l	99
37) Ethyl Acetate	7.094	43	19116	18.385	ug/l	96
38) Carbon Tetrachloride	7.923	117	54918	20.563	ug/l	98
39) Methylcyclohexane	9.203	83	60944	19.006	ug/l	92
40) Benzene	8.179	78	145541	20.130	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	9935	18.951	ug/l	95
42) 1,2-Dichloroethane	8.258	62	37188	19.852	ug/l	93
43) Isopropyl Acetate	8.289	43	36684	18.252	ug/l #	89
44) Trichloroethene	8.960	130	41327	19.889	ug/l	98
45) 1,2-Dichloropropane	9.234	63	35248	20.300	ug/l	98
46) Dibromomethane	9.319	93	18718	19.893	ug/l	95
47) Bromodichloromethane	9.514	83	49466	20.449	ug/l	99
48) Methyl methacrylate	9.307	41	20154	18.144	ug/l	85
49) 1,4-Dioxane	9.319	88	3361	336.464	ug/l #	58
51) 4-Methyl-2-Pentanone	10.081	43	92897	91.405	ug/l	90
52) Toluene	10.258	92	92932	20.334	ug/l	94
53) t-1,3-Dichloropropene	10.478	75	46554	19.852	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	55480	19.808	ug/l #	89
55) 1,1,2-Trichloroethane	10.660	97	26004	20.051	ug/l	98
56) Ethyl methacrylate	10.526	69	22885	18.694	ug/l #	83
57) 1,3-Dichloropropane	10.807	76	43851	19.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	77735	93.646	ug/l	94
59) 2-Hexanone	10.843	43	78159	103.390	ug/l	88
60) Dibromochloromethane	11.002	129	32709	20.167	ug/l	99
61) 1,2-Dibromoethane	11.106	107	23565	19.073	ug/l	96
64) Tetrachloroethene	10.734	164	40370	19.849	ug/l	98
65) Chlorobenzene	11.532	112	97684	20.184	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	36474	20.434	ug/l	98
67) Ethyl Benzene	11.605	91	174489	20.062	ug/l	99
68) m/p-Xylenes	11.715	106	132914	40.290	ug/l	95
69) o-Xylene	12.044	106	61899	20.209	ug/l	96
70) Styrene	12.057	104	89855	20.488	ug/l	97
71) Bromoform	12.221	173	18480	19.952	ug/l #	98
73) Isopropylbenzene	12.343	105	170943	20.405	ug/l	100
74) N-amyl acetate	12.160	43	29805	17.712	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.599	83	26050	19.379	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	17524m	17.658	ug/l	
77) Bromobenzene	12.624	156	38719	20.449	ug/l	92
78) n-propylbenzene	12.685	91	201657	20.369	ug/l	100
79) 2-Chlorotoluene	12.770	91	111826	20.496	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	138105	20.447	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	8950	19.575	ug/l	89
82) 4-Chlorotoluene	12.867	91	115323	20.455	ug/l	99
83) tert-Butylbenzene	13.087	119	124183	20.874	ug/l	97
84) 1,2,4-Trimethylbenzene	13.136	105	136230	20.484	ug/l	97
85) sec-Butylbenzene	13.270	105	175855	20.690	ug/l	100
86) p-Isopropyltoluene	13.386	119	150953	20.626	ug/l	98
87) 1,3-Dichlorobenzene	13.380	146	74154	20.357	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	72810	20.452	ug/l	99
89) n-Butylbenzene	13.709	91	140733	20.822	ug/l	98
90) Hexachloroethane	13.977	117	27867	19.739	ug/l	94
91) 1,2-Dichlorobenzene	13.751	146	63106	20.217	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3680	17.206	ug/l	90
93) 1,2,4-Trichlorobenzene	15.019	180	35751	19.622	ug/l	99
94) Hexachlorobutadiene	15.123	225	22317	21.380	ug/l	97
95) Naphthalene	15.251	128	58120	17.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	27937	18.538	ug/l	99

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

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