

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015610.D
 Acq On : 18 Sep 2023 12:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 18 17:31:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	187418	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	316765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	290610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102988	51.261	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.520%			
35) Dibromofluoromethane	7.722	113	96273	52.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.540%			
50) Toluene-d8	10.185	98	306615	46.406	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.820%			
62) 4-Bromofluorobenzene	12.483	95	125010	50.966	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	73503	45.117	ug/l	96
3) Chloromethane	2.113	50	105935	48.962	ug/l	97
4) Vinyl Chloride	2.253	62	115667	45.930	ug/l	97
5) Bromomethane	2.650	94	78805	43.978	ug/l	98
6) Chloroethane	2.790	64	79410	47.973	ug/l	96
7) Trichlorofluoromethane	3.119	101	160335	45.010	ug/l	99
8) Diethyl Ether	3.534	74	66722	54.807	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	91477	46.332	ug/l	96
10) Methyl Iodide	4.095	142	127480	54.982	ug/l	97
11) Tert butyl alcohol	4.985	59	103331	231.145	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	92696	49.755	ug/l	90
13) Acrolein	3.735	56	135994	243.945	ug/l	98
14) Allyl chloride	4.479	41	160734	54.187	ug/l	95
15) Acrylonitrile	5.168	53	228226	297.925	ug/l	98
16) Acetone	3.960	43	271363	323.596	ug/l	91
17) Carbon Disulfide	4.198	76	281804	50.595	ug/l	98
18) Methyl Acetate	4.485	43	185730	61.148	ug/l	94
19) Methyl tert-butyl Ether	5.229	73	334817	55.294	ug/l	99
20) Methylene Chloride	4.723	84	129176	47.668	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	111364	51.909	ug/l	96
22) Diisopropyl ether	6.125	45	349820	53.922	ug/l	94
23) Vinyl Acetate	6.064	43	1081980	264.150	ug/l	95
24) 1,1-Dichloroethane	6.021	63	194583	51.885	ug/l	97
25) 2-Butanone	6.996	43	369742	310.867	ug/l	96
26) 2,2-Dichloropropane	6.984	77	158378	49.722	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	128589	52.835	ug/l	94
28) Bromochloromethane	7.338	49	57895	50.341	ug/l	97
29) Tetrahydrofuran	7.356	42	226769	303.610	ug/l	94
30) Chloroform	7.509	83	203683	51.665	ug/l	98
31) Cyclohexane	7.789	56	162839	45.628	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	176468	50.114	ug/l	98
36) 1,1-Dichloropropene	7.917	75	153269	47.843	ug/l	99
37) Ethyl Acetate	7.082	43	144563	58.509	ug/l	97
38) Carbon Tetrachloride	7.905	117	155115	46.880	ug/l	99
39) Methylcyclohexane	9.185	83	184434	45.729	ug/l	95
40) Benzene	8.161	78	448807	50.213	ug/l	99

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Quant Time: Sep 18 17:31:07 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M

Quant Title : SW846 8260

QLast Update : Thu Aug 31 20:01:47 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	67391m	58.163	ug/l	
42) 1,2-Dichloroethane	8.240	62	149578	50.186	ug/l	94
43) Isopropyl Acetate	8.277	43	242355	56.724	ug/l	98
44) Trichloroethene	8.941	130	128172	50.683	ug/l	99
45) 1,2-Dichloropropane	9.222	63	115131	51.097	ug/l	97
46) Dibromomethane	9.307	93	78047	52.146	ug/l	96
47) Bromodichloromethane	9.502	83	165870	51.823	ug/l	99
48) Methyl methacrylate	9.295	41	108286	55.240	ug/l	91
49) 1,4-Dioxane	9.307	88	32290	1161.489	ug/l #	50
51) 4-Methyl-2-Pentanone	10.075	43	727692	293.035	ug/l	93
52) Toluene	10.246	92	289596	50.552	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	181879	53.469	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	195594	52.859	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	105420	52.274	ug/l	98
56) Ethyl methacrylate	10.514	69	168720	56.457	ug/l	89
57) 1,3-Dichloropropane	10.795	76	183419	52.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	243642	228.408	ug/l	96
59) 2-Hexanone	10.837	43	570510	306.176	ug/l	91
60) Dibromochloromethane	10.990	129	126336	53.523	ug/l	100
61) 1,2-Dibromoethane	11.093	107	109832	53.748	ug/l	100
64) Tetrachloroethene	10.721	164	150326	56.990	ug/l	98
65) Chlorobenzene	11.520	112	313111	50.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	118741	51.805	ug/l	99
67) Ethyl Benzene	11.593	91	555560	49.406	ug/l	99
68) m/p-Xylenes	11.703	106	431959	99.104	ug/l	95
69) o-Xylene	12.032	106	207850	49.898	ug/l	98
70) Styrene	12.044	104	359549	51.335	ug/l	96
71) Bromoform	12.209	173	87779	54.900	ug/l #	100
73) Isopropylbenzene	12.331	105	534183	47.498	ug/l	100
74) N-amyl acetate	12.148	43	210503	55.713	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	139451	51.942	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	105417m	53.093	ug/l	
77) Bromobenzene	12.611	156	133191	50.003	ug/l	96
78) n-propylbenzene	12.672	91	649043	47.694	ug/l	100
79) 2-Chlorotoluene	12.758	91	374592	49.076	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	455689	48.442	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	50256	55.834	ug/l	96
82) 4-Chlorotoluene	12.855	91	386964	48.781	ug/l	99
83) tert-Butylbenzene	13.081	119	387984	47.090	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	455919	48.814	ug/l	100
85) sec-Butylbenzene	13.258	105	577479	46.991	ug/l	100
86) p-Isopropyltoluene	13.373	119	487614	47.342	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	258047	49.071	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	258942	48.713	ug/l	99
89) n-Butylbenzene	13.697	91	457726	47.216	ug/l	97
90) Hexachloroethane	13.965	117	91404	49.619	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	239608	49.929	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	29568	55.674	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	150152	49.822	ug/l	99
94) Hexachlorobutadiene	15.117	225	75162	45.736	ug/l	98
95) Naphthalene	15.239	128	406801	54.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	138560	50.404	ug/l	99

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

