

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015612.D
 Acq On : 18 Sep 2023 13:54
 Operator : SY/MD
 Sample : VY0918SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0918SBS01

Quant Time: Sep 18 17:31:43 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	7.789	168	181024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	281439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100231	51.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.300%			
35) Dibromofluoromethane	7.722	113	91492	51.064	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.120%			
50) Toluene-d8	10.185	98	295185	45.494	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.980%			
62) 4-Bromofluorobenzene	12.483	95	120484	50.020	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24209	15.385	ug/l	100
3) Chloromethane	2.113	50	31070	14.867	ug/l	98
4) Vinyl Chloride	2.247	62	35374	14.543	ug/l	98
5) Bromomethane	2.644	94	24238	14.004	ug/l	98
6) Chloroethane	2.784	64	26391	16.506	ug/l	99
7) Trichlorofluoromethane	3.119	101	60742	17.654	ug/l	100
8) Diethyl Ether	3.528	74	25952	22.071	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	36806	19.300	ug/l	94
10) Methyl Iodide	4.089	142	35693	15.938	ug/l	97
11) Tert butyl alcohol	4.985	59	48538	99.697	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	32808	18.232	ug/l	92
13) Acrolein	3.735	56	31192	66.808	ug/l	99
14) Allyl chloride	4.479	41	61486	21.460	ug/l	94
15) Acrylonitrile	5.168	53	96949	131.027	ug/l	98
16) Acetone	3.960	43	110601	136.548	ug/l	97
17) Carbon Disulfide	4.192	76	61114	11.360	ug/l	98
18) Methyl Acetate	4.479	43	73343	25.000	ug/l	93
19) Methyl tert-butyl Ether	5.229	73	141778	24.241	ug/l	98
20) Methylene Chloride	4.716	84	63388	20.250	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	38450	18.555	ug/l	98
22) Diisopropyl ether	6.125	45	146955	23.452	ug/l	93
23) Vinyl Acetate	6.064	43	462456	116.890	ug/l	96
24) 1,1-Dichloroethane	6.021	63	80892	22.332	ug/l	96
25) 2-Butanone	6.997	43	155775	135.596	ug/l	92
26) 2,2-Dichloropropane	6.984	77	66284	21.545	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	51561	21.934	ug/l	94
28) Bromochloromethane	7.332	49	22251	20.031	ug/l	95
29) Tetrahydrofuran	7.356	42	90497	125.442	ug/l	94
30) Chloroform	7.509	83	88240	23.173	ug/l	98
31) Cyclohexane	7.789	56	54320	15.758	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	71667	21.071	ug/l	99
36) 1,1-Dichloropropene	7.923	75	55858	17.755	ug/l	99
37) Ethyl Acetate	7.076	43	59306	24.442	ug/l	98
38) Carbon Tetrachloride	7.905	117	61297	18.865	ug/l	96
39) Methylcyclohexane	9.185	83	59744	15.084	ug/l	93
40) Benzene	8.161	78	174047	19.829	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	28126	24.719	ug/l	93
42) 1,2-Dichloroethane	8.240	62	61827	21.124	ug/l	95
43) Isopropyl Acetate	8.277	43	99797	23.785	ug/l	98
44) Trichloroethene	8.941	130	49973	20.123	ug/l	98
45) 1,2-Dichloropropane	9.216	63	48589	21.959	ug/l	97
46) Dibromomethane	9.307	93	31455	21.401	ug/l	97
47) Bromodichloromethane	9.496	83	70954	22.574	ug/l	99
48) Methyl methacrylate	9.295	41	43474	22.583	ug/l	91
49) 1,4-Dioxane	9.313	88	13081	479.145	ug/l #	52
51) 4-Methyl-2-Pentanone	10.075	43	308632	126.559	ug/l	93
52) Toluene	10.246	92	112855	20.060	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	74312	22.246	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	80292	22.096	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	46555	23.508	ug/l	97
56) Ethyl methacrylate	10.514	69	69743	23.765	ug/l	89
57) 1,3-Dichloropropane	10.795	76	78738	23.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	109037	104.091	ug/l	96
59) 2-Hexanone	10.837	43	239894	131.101	ug/l	92
60) Dibromochloromethane	10.990	129	54052	23.319	ug/l	100
61) 1,2-Dibromoethane	11.093	107	46134	22.990	ug/l	98
64) Tetrachloroethene	10.721	164	54144	21.195	ug/l	98
65) Chlorobenzene	11.520	112	132444	21.839	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	50820	22.894	ug/l	97
67) Ethyl Benzene	11.593	91	227808	20.919	ug/l	99
68) m/p-Xylenes	11.703	106	173643	41.137	ug/l	96
69) o-Xylene	12.032	106	85700	21.244	ug/l	98
70) Styrene	12.044	104	148721	21.926	ug/l	96
71) Bromoform	12.209	173	37799	24.411	ug/l #	100
73) Isopropylbenzene	12.331	105	224070	20.696	ug/l	99
74) N-amyl acetate	12.148	43	86498	23.781	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	61415	23.763	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	44405m	23.232	ug/l	
77) Bromobenzene	12.611	156	55605	21.685	ug/l	94
78) n-propylbenzene	12.672	91	271847	20.751	ug/l	99
79) 2-Chlorotoluene	12.758	91	156218	21.260	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	188533	20.819	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	20196	23.308	ug/l	100
82) 4-Chlorotoluene	12.855	91	164900	21.593	ug/l	99
83) tert-Butylbenzene	13.075	119	168528	21.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	193462	21.517	ug/l	99
85) sec-Butylbenzene	13.258	105	247920	20.956	ug/l	100
86) p-Isopropyltoluene	13.373	119	209921	21.171	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	110979	21.923	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	111715	21.831	ug/l	98
89) n-Butylbenzene	13.697	91	197400	21.152	ug/l	98
90) Hexachloroethane	13.965	117	39181	22.094	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	104286	22.574	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13010	25.447	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	65995	22.747	ug/l	98
94) Hexachlorobutadiene	15.111	225	34489	21.800	ug/l	97
95) Naphthalene	15.239	128	174254	24.246	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	61299	23.163	ug/l	99

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

