

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
 Data File : VY015407.D
 Acq On : 01 Sep 2023 11:45
 Operator : SY/MD
 Sample : VY0901SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0901SBS01

Quant Time: Sep 01 23:28:25 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 09/04/2023
 Supervised By :Mahesh Dadoda 09/05/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	158686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	269840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	244892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84176	49.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.960%		
35) Dibromofluoromethane	7.716	113	76107	48.968	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.940%		
50) Toluene-d8	10.179	98	265658	47.199	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.400%		
62) 4-Bromofluorobenzene	12.483	95	96934	46.392	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23906	17.331	ug/l	100
3) Chloromethane	2.107	50	34727	18.957	ug/l	98
4) Vinyl Chloride	2.247	62	37485	17.580	ug/l	99
5) Bromomethane	2.643	94	26823	17.679	ug/l	95
6) Chloroethane	2.784	64	26335	18.790	ug/l	96
7) Trichlorofluoromethane	3.113	101	54995	18.234	ug/l	97
8) Diethyl Ether	3.527	74	20674	20.057	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	30554	18.277	ug/l	95
10) Methyl Iodide	4.088	142	32687	16.650	ug/l	98
11) Tert butyl alcohol	4.923	59	58369m	144.848	ug/l	
12) 1,1-Dichloroethene	3.869	96	28943	18.348	ug/l	91
13) Acrolein	3.729	56	29033	70.218	ug/l	98
14) Allyl chloride	4.478	41	48344	19.249	ug/l	97
15) Acrylonitrile	5.161	53	65320	100.707	ug/l	99
16) Acetone	3.960	43	63766	89.808	ug/l	91
17) Carbon Disulfide	4.192	76	77157	16.361	ug/l	95
18) Methyl Acetate	4.478	43	52875	20.560	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	99790	19.464	ug/l	99
20) Methylene Chloride	4.710	84	44201	14.668	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	33976	18.704	ug/l	99
22) Diisopropyl ether	6.118	45	109166	19.874	ug/l	96
23) Vinyl Acetate	6.057	43	335823	96.831	ug/l	95
24) 1,1-Dichloroethane	6.015	63	62224	19.596	ug/l	98
25) 2-Butanone	6.990	43	97055	96.375	ug/l	98
26) 2,2-Dichloropropane	6.978	77	54109	20.063	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	40388	19.599	ug/l	97
28) Bromochloromethane	7.332	49	21052	21.620	ug/l	99
29) Tetrahydrofuran	7.350	42	61263	96.873	ug/l	94
30) Chloroform	7.502	83	65789	19.709	ug/l	93
31) Cyclohexane	7.783	56	52237	17.287	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	56375	18.908	ug/l	99
36) 1,1-Dichloropropene	7.917	75	48078	17.617	ug/l	99
37) Ethyl Acetate	7.076	43	41198	19.574	ug/l	97
38) Carbon Tetrachloride	7.899	117	49298	17.490	ug/l	98
39) Methylcyclohexane	9.179	83	54885	15.975	ug/l	96
40) Benzene	8.161	78	141111	18.533	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	17617m	17.849	ug/l	
42) 1,2-Dichloroethane	8.234	62	47467	18.696	ug/l	96
43) Isopropyl Acetate	8.270	43	68714	18.880	ug/l	97
44) Trichloroethene	8.935	130	41149	19.101	ug/l	95
45) 1,2-Dichloropropane	9.215	63	36524	19.029	ug/l	100
46) Dibromomethane	9.301	93	23754	18.631	ug/l	94
47) Bromodichloromethane	9.496	83	51723	18.970	ug/l	97
48) Methyl methacrylate	9.295	41	29873	17.889	ug/l	92
49) 1,4-Dioxane	9.307	88	8692	367.027	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	205501	97.144	ug/l	96
52) Toluene	10.246	92	89932	18.428	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	53359	18.414	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	59431	18.854	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	32775	19.078	ug/l	97
56) Ethyl methacrylate	10.508	69	47125	18.511	ug/l	92
57) 1,3-Dichloropropane	10.788	76	55875	18.895	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	91950	101.191	ug/l	94
59) 2-Hexanone	10.831	43	148238	93.390	ug/l	93
60) Dibromochloromethane	10.983	129	38274	19.035	ug/l	100
61) 1,2-Dibromoethane	11.087	107	33134	19.034	ug/l	100
64) Tetrachloroethene	10.721	164	46080	20.731	ug/l	97
65) Chlorobenzene	11.514	112	99458	18.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	37145	19.231	ug/l	98
67) Ethyl Benzene	11.593	91	173910	18.353	ug/l	99
68) m/p-Xylenes	11.703	106	132434	36.056	ug/l	96
69) o-Xylene	12.026	106	63061	17.965	ug/l	100
70) Styrene	12.044	104	110032	18.643	ug/l	97
71) Bromoform	12.209	173	25734	19.100	ug/l #	97
73) Isopropylbenzene	12.331	105	168780	18.271	ug/l	100
74) N-amyl acetate	12.142	43	58008	18.691	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	40221	18.239	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	32980m	20.222	ug/l	
77) Bromobenzene	12.605	156	41174	18.819	ug/l	98
78) n-propylbenzene	12.672	91	203829	18.235	ug/l	100
79) 2-Chlorotoluene	12.757	91	113821	18.155	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	141666	18.335	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	13068	17.676	ug/l	100
82) 4-Chlorotoluene	12.855	91	121363	18.626	ug/l	100
83) tert-Butylbenzene	13.074	119	119756	17.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	141040	18.385	ug/l	98
85) sec-Butylbenzene	13.251	105	183239	18.153	ug/l	100
86) p-Isopropyltoluene	13.367	119	151199	17.872	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	81706	18.917	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	82101	18.804	ug/l	98
89) n-Butylbenzene	13.696	91	141951	17.827	ug/l	97
90) Hexachloroethane	13.958	117	27550	18.208	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	75398	19.128	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8281	18.983	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	46185	18.657	ug/l	98
94) Hexachlorobutadiene	15.111	225	23819	17.646	ug/l	98
95) Naphthalene	15.233	128	112522	18.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	41721	18.477	ug/l	98

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

