

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091223\
 Data File : VY015506.D
 Acq On : 12 Sep 2023 13:12
 Operator : SY/MD
 Sample : VY0912SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0912SBS01

Quant Time: Sep 13 05:52:32 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 :Mahesh Dadoda 09/13/2023
 Supervised By :Semsettin Yesilyurt 09/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	186705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	305647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	275570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90836	45.385	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.780%		
35) Dibromofluoromethane	7.710	113	84375	47.928	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.860%		
50) Toluene-d8	10.179	98	292541	45.887	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.780%		
62) 4-Bromofluorobenzene	12.477	95	111643	47.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23861	14.702	ug/l	95
3) Chloromethane	2.113	50	30862	14.319	ug/l	99
4) Vinyl Chloride	2.247	62	37099	14.788	ug/l	99
5) Bromomethane	2.619	94	31639	17.724	ug/l	94
6) Chloroethane	2.778	64	26457	16.044	ug/l	96
7) Trichlorofluoromethane	3.107	101	59649	16.809	ug/l	97
8) Diethyl Ether	3.521	74	21787	17.965	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	34584	17.583	ug/l	95
10) Methyl Iodide	4.082	142	32108	13.901	ug/l	98
11) Tert butyl alcohol	4.936	59	78819	169.950	ug/l #	96
12) 1,1-Dichloroethene	3.863	96	30350	16.353	ug/l	89
13) Acrolein	3.716	56	21677	48.815	ug/l	99
14) Allyl chloride	4.472	41	51036	17.271	ug/l	97
15) Acrylonitrile	5.155	53	68016	89.127	ug/l	99
16) Acetone	3.942	43	78136	93.532	ug/l	91
17) Carbon Disulfide	4.180	76	65440	11.794	ug/l	98
18) Methyl Acetate	4.472	43	52121	17.225	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	113638	18.839	ug/l	99
20) Methylene Chloride	4.704	84	79359	26.161	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	35647	16.679	ug/l	94
22) Diisopropyl ether	6.112	45	121100	18.738	ug/l	94
23) Vinyl Acetate	6.051	43	363941	89.190	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	69694	18.655	ug/l	98
25) 2-Butanone	6.978	43	110036	92.868	ug/l	93
26) 2,2-Dichloropropane	6.972	77	63621	20.050	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	45604	18.809	ug/l	94
28) Bromochloromethane	7.326	49	16622	14.509	ug/l	94
29) Tetrahydrofuran	7.338	42	63151	84.873	ug/l	92
30) Chloroform	7.502	83	75826	19.307	ug/l	97
31) Cyclohexane	7.783	56	54575	15.351	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	65936	18.796	ug/l	99
36) 1,1-Dichloropropene	7.911	75	53236	17.222	ug/l	99
37) Ethyl Acetate	7.069	43	41559	17.432	ug/l	96
38) Carbon Tetrachloride	7.893	117	58547	18.338	ug/l	96
39) Methylcyclohexane	9.179	83	60332	15.503	ug/l	92
40) Benzene	8.155	78	155546	18.036	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	23715m	21.212	ug/l	
42) 1,2-Dichloroethane	8.228	62	53198	18.498	ug/l	95
43) Isopropyl Acetate	8.271	43	73889	17.923	ug/l	98
44) Trichloroethene	8.935	130	45919	18.818	ug/l	98
45) 1,2-Dichloropropane	9.209	63	40638	18.692	ug/l	96
46) Dibromomethane	9.301	93	26271	18.191	ug/l	98
47) Bromodichloromethane	9.496	83	60135	19.471	ug/l	100
48) Methyl methacrylate	9.289	41	32492	17.178	ug/l	93
49) 1,4-Dioxane	9.295	88	9017	336.145	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	214998	89.727	ug/l	95
52) Toluene	10.240	92	103773	18.773	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	61787	18.825	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	67610	18.936	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	37727	19.388	ug/l	96
56) Ethyl methacrylate	10.508	69	54357	18.850	ug/l	88
57) 1,3-Dichloropropane	10.788	76	64266	19.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	86805	84.338	ug/l	93
59) 2-Hexanone	10.831	43	160794	89.432	ug/l	90
60) Dibromochloromethane	10.983	129	45331	19.903	ug/l	99
61) 1,2-Dibromoethane	11.087	107	36496	18.510	ug/l	100
64) Tetrachloroethene	10.715	164	49663	19.855	ug/l	97
65) Chlorobenzene	11.514	112	115869	19.513	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	43814	20.159	ug/l	98
67) Ethyl Benzene	11.593	91	203560	19.091	ug/l	97
68) m/p-Xylenes	11.697	106	158640	38.383	ug/l	94
69) o-Xylene	12.026	106	76884	19.465	ug/l	97
70) Styrene	12.044	104	130267	19.614	ug/l	97
71) Bromoform	12.203	173	30026	19.804	ug/l #	98
73) Isopropylbenzene	12.325	105	204460	19.372	ug/l	99
74) N-amyl acetate	12.142	43	64752	18.261	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	47226	18.744	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	35909m	19.271	ug/l	
77) Bromobenzene	12.605	156	49485	19.796	ug/l	99
78) n-propylbenzene	12.666	91	245173	19.197	ug/l	99
79) 2-Chlorotoluene	12.758	91	138027	19.269	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	170936	19.362	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	15502	18.351	ug/l	99
82) 4-Chlorotoluene	12.849	91	145628	19.561	ug/l	99
83) tert-Butylbenzene	13.075	119	151730	19.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	170517	19.453	ug/l	98
85) sec-Butylbenzene	13.251	105	223916	19.415	ug/l	100
86) p-Isopropyltoluene	13.367	119	188238	19.474	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	97675	19.792	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	98874	19.820	ug/l	99
89) n-Butylbenzene	13.696	91	174968	19.232	ug/l	97
90) Hexachloroethane	13.959	117	34776	20.116	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	91061	20.219	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9594	19.249	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	56817	20.088	ug/l	99
94) Hexachlorobutadiene	15.111	225	29225	18.949	ug/l	100
95) Naphthalene	15.233	128	133707	19.084	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51520	19.970	ug/l	99

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

