

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015759.D
 Acq On : 29 Sep 2023 17:24
 Operator : SY/MD
 Sample : VY0929SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0929SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023
 Supervised By :Semsettin Yesilyurt 10/02/2023

Quant Time: Sep 30 01:14:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	167818	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	284481	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	260682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83687	45.323	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.640%		
35) Dibromofluoromethane	7.728	113	74827	43.946	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.900%		
50) Toluene-d8	10.185	98	264543	45.822	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.640%		
62) 4-Bromofluorobenzene	12.489	95	99050	43.718	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	16667	15.067	ug/l	100
3) Chloromethane	2.119	50	19634	14.069	ug/l	99
4) Vinyl Chloride	2.253	62	24108	15.109	ug/l	95
5) Bromomethane	2.656	94	18574	14.073	ug/l	97
6) Chloroethane	2.796	64	16789	14.196	ug/l	98
7) Trichlorofluoromethane	3.125	101	52636	19.670	ug/l	99
8) Diethyl Ether	3.540	74	19257	16.875	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	28019	16.723	ug/l	94
10) Methyl Iodide	4.094	142	24688	14.575	ug/l	98
11) Tert butyl alcohol	5.033	59	42268	75.764	ug/l	100
12) 1,1-Dichloroethene	3.875	96	22211	15.044	ug/l	91
13) Acrolein	3.747	56	17460	61.744	ug/l	98
14) Allyl chloride	4.485	41	43658	16.173	ug/l	93
15) Acrylonitrile	5.180	53	84563	101.015	ug/l	99
16) Acetone	3.979	43	116872	118.274	ug/l	92
17) Carbon Disulfide	4.198	76	33053	11.524	ug/l	98
18) Methyl Acetate	4.497	43	64463	19.443	ug/l	96
19) Methyl tert-butyl Ether	5.241	73	107499	17.877	ug/l	99
20) Methylene Chloride	4.722	84	49191	19.808	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	26345	15.611	ug/l	90
22) Diisopropyl ether	6.131	45	113507	17.472	ug/l	98
23) Vinyl Acetate	6.076	43	360468	89.897	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	59935	16.926	ug/l	96
25) 2-Butanone	7.009	43	149415	106.976	ug/l	98
26) 2,2-Dichloropropane	6.990	77	50876	15.720	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	36760	16.408	ug/l	96
28) Bromochloromethane	7.344	49	22329	23.243	ug/l	99
29) Tetrahydrofuran	7.368	42	82483	104.484	ug/l	94
30) Chloroform	7.515	83	66172	17.450	ug/l	98
31) Cyclohexane	7.795	56	38259	14.957	ug/l #	86
32) 1,1,1-Trichloroethane	7.716	97	53487	17.086	ug/l	99
36) 1,1-Dichloropropene	7.929	75	39649	15.749	ug/l	98
37) Ethyl Acetate	7.094	43	56170	22.368	ug/l	98
38) Carbon Tetrachloride	7.911	117	45337	16.590	ug/l	99
39) Methylcyclohexane	9.191	83	41061	14.746	ug/l	95
40) Benzene	8.173	78	124783	16.253	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	20980	15.516	ug/l	92
42) 1,2-Dichloroethane	8.246	62	46035	17.508	ug/l	94
43) Isopropyl Acetate	8.283	43	83577	19.484	ug/l	98
44) Trichloroethene	8.947	130	36858	17.188	ug/l	98
45) 1,2-Dichloropropane	9.222	63	36914	17.241	ug/l	91
46) Dibromomethane	9.313	93	24562	17.934	ug/l	94
47) Bromodichloromethane	9.508	83	53750	17.607	ug/l	99
48) Methyl methacrylate	9.301	41	36551	19.412	ug/l	91
49) 1,4-Dioxane	9.331	88	12859	475.259	ug/l #	83
51) 4-Methyl-2-Pentanone	10.081	43	279424	105.095	ug/l	94
52) Toluene	10.252	92	83464	16.863	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	56364	17.218	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	59816	16.975	ug/l	93
55) 1,1,2-Trichloroethane	10.654	97	37125	18.497	ug/l	98
56) Ethyl methacrylate	10.520	69	53752	18.173	ug/l	89
57) 1,3-Dichloropropane	10.794	76	61067	18.144	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	67668	72.024	ug/l	96
59) 2-Hexanone	10.837	43	229005	112.266	ug/l	92
60) Dibromochloromethane	10.990	129	41613	17.761	ug/l	99
61) 1,2-Dibromoethane	11.093	107	35810	18.238	ug/l	99
64) Tetrachloroethene	10.727	164	40655	18.177	ug/l	98
65) Chlorobenzene	11.520	112	98738	17.352	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	40374	18.266	ug/l	97
67) Ethyl Benzene	11.599	91	168878	16.980	ug/l	100
68) m/p-Xylenes	11.709	106	128185	33.909	ug/l	96
69) o-Xylene	12.038	106	63236	17.059	ug/l	98
70) Styrene	12.050	104	111399	17.557	ug/l	96
71) Bromoform	12.215	173	29898	18.666	ug/l #	99
73) Isopropylbenzene	12.337	105	170748	17.081	ug/l	99
74) N-amyl acetate	12.148	43	71860	19.127	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	53263	19.146	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	42515m	20.000	ug/l	
77) Bromobenzene	12.611	156	42483	17.314	ug/l	92
78) n-propylbenzene	12.678	91	208030	17.130	ug/l	99
79) 2-Chlorotoluene	12.764	91	119228	17.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	142628	17.044	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	17922	18.985	ug/l	96
82) 4-Chlorotoluene	12.861	91	123717	17.120	ug/l	100
83) tert-Butylbenzene	13.081	119	127744	17.429	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	144735	17.286	ug/l	98
85) sec-Butylbenzene	13.257	105	192838	17.581	ug/l	100
86) p-Isopropyltoluene	13.373	119	160728	17.542	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	85817	17.629	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	87356	17.943	ug/l	98
89) n-Butylbenzene	13.702	91	153437	17.685	ug/l	98
90) Hexachloroethane	13.965	117	31395	17.754	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	81447	18.125	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11558	20.918	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	51467	18.193	ug/l	98
94) Hexachlorobutadiene	15.117	225	27277	18.828	ug/l	98
95) Naphthalene	15.239	128	147645	20.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	49382	18.913	ug/l	98

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

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