

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090322\
 Data File : VY010337.D
 Acq On : 03 Sep 2022 21:47
 Operator : KP/MD
 Sample : N4379-06MS
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-9-11MS

Quant Time: Sep 05 04:26:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/06/2022
 Supervised By : Mahesh Dadoda 09/06/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	269825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	451613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	408994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	194796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	160423	57.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.960%			
35) Dibromofluoromethane	7.716	113	154079	51.249	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.500%			
50) Toluene-d8	10.179	98	563500	55.982	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.960%			
62) 4-Bromofluorobenzene	12.477	95	198960	49.263	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	93488	43.402	ug/l	98
3) Chloromethane	2.107	50	152653	51.905	ug/l	96
4) Vinyl Chloride	2.247	62	180235	56.248	ug/l	98
5) Bromomethane	2.644	94	128168	73.817	ug/l	100
6) Chloroethane	2.784	64	122065	62.275	ug/l	98
7) Trichlorofluoromethane	3.119	101	227017	50.543	ug/l	95
8) Diethyl Ether	3.521	74	83513	52.035	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	130780	47.145	ug/l	96
10) Methyl Iodide	4.082	142	187801	56.274	ug/l	90
11) Tert butyl alcohol	4.954	59	66430	200.695	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	130418	48.554	ug/l	87
13) Acrolein	3.723	56	62872	179.430	ug/l	99
14) Allyl chloride	4.473	41	207162	43.819	ug/l #	94
15) Acrylonitrile	5.155	53	197258	235.876	ug/l	98
16) Acetone	3.942	43	148321	214.444	ug/l #	89
17) Carbon Disulfide	4.186	76	368654	45.058	ug/l	99
18) Methyl Acetate	4.473	43	192048	89.472	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	406792	51.804	ug/l	97
20) Methylene Chloride	4.710	84	188193	56.383	ug/l #	84
21) trans-1,2-Dichloroethene	5.210	96	151066	49.630	ug/l	88
22) Diisopropyl ether	6.112	45	459709	47.845	ug/l #	89
23) Vinyl Acetate	6.051	43	747678m	124.108	ug/l	
24) 1,1-Dichloroethane	6.009	63	272903	49.304	ug/l	99
25) 2-Butanone	6.978	43	253507	223.334	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	213578	42.365	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	183896	52.865	ug/l	85
28) Bromochloromethane	7.332	49	109137	56.116	ug/l #	81
29) Tetrahydrofuran	7.344	42	168473	231.672	ug/l #	86
30) Chloroform	7.502	83	286820	52.620	ug/l	100
31) Cyclohexane	7.777	56	217928	40.378	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	253974	51.136	ug/l	96
36) 1,1-Dichloropropene	7.911	75	201567	45.695	ug/l	96
37) Ethyl Acetate	7.070	43	87897	34.755	ug/l #	94
38) Carbon Tetrachloride	7.899	117	227230	49.983	ug/l	99
39) Methylcyclohexane	9.179	83	242716	42.620	ug/l	90
40) Benzene	8.155	78	616889	48.830	ug/l	97

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41) Methacrylonitrile	7.320	41	68614m	48.123	ug/l	
42) 1,2-Dichloroethane	8.234	62	191094	52.169	ug/l	93
43) Isopropyl Acetate	8.271	43	194950	40.438	ug/l #	89
44) Trichloroethene	8.935	130	174744	50.385	ug/l	100
45) 1,2-Dichloropropane	9.209	63	155132	48.198	ug/l	94
46) Dibromomethane	9.301	93	93106	52.667	ug/l	97
47) Bromodichloromethane	9.496	83	227690	52.373	ug/l	99
48) Methyl methacrylate	9.289	41	113524	50.482	ug/l #	85
49) 1,4-Dioxane	9.295	88	23929	983.719	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	591480	237.806	ug/l	90
52) Toluene	10.240	92	394754	48.847	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	226418	48.286	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	253983	48.036	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	131319	52.328	ug/l	97
56) Ethyl methacrylate	10.508	69	146582	39.536	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	222636	50.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	232118	233.098	ug/l	93
59) 2-Hexanone	10.831	43	403237	233.797	ug/l	89
60) Dibromochloromethane	10.984	129	164966	54.553	ug/l	100
61) 1,2-Dibromoethane	11.087	107	126140	52.013	ug/l	99
64) Tetrachloroethene	10.715	164	168343	50.471	ug/l	97
65) Chlorobenzene	11.514	112	430008	49.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	167685	52.398	ug/l	98
67) Ethyl Benzene	11.587	91	752831	47.171	ug/l	98
68) m/p-Xylenes	11.697	106	586260	96.161	ug/l	94
69) o-Xylene	12.026	106	290015	48.994	ug/l	92
70) Styrene	12.038	104	488688	49.561	ug/l	96
71) Bromoform	12.203	173	105335	53.246	ug/l #	99
73) Isopropylbenzene	12.325	105	737361	47.445	ug/l	99
74) N-amyl acetate	12.142	43	125006	29.155	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	145940	48.862	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	103520m	44.656	ug/l	
77) Bromobenzene	12.605	156	182511	51.623	ug/l	93
78) n-propylbenzene	12.666	91	854980	45.828	ug/l	97
79) 2-Chlorotoluene	12.752	91	503316	47.733	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	618993	47.538	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	47567	42.806	ug/l	90
82) 4-Chlorotoluene	12.849	91	517093	47.626	ug/l	98
83) tert-Butylbenzene	13.069	119	552842	48.870	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	615296	48.119	ug/l	99
85) sec-Butylbenzene	13.251	105	781415	46.709	ug/l	98
86) p-Isopropyltoluene	13.367	119	656062	47.476	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	346433	50.466	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	340408	49.875	ug/l	99
89) n-Butylbenzene	13.690	91	577692	44.223	ug/l	98
90) Hexachloroethane	13.959	117	126381	47.646	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	315968	51.643	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24359	46.283	ug/l	77
93) 1,2,4-Trichlorobenzene	15.001	180	180307	47.612	ug/l	99
94) Hexachlorobutadiene	15.111	225	102908	46.363	ug/l	98
95) Naphthalene	15.233	128	378887	48.218	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	158477	49.410	ug/l	99

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

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