

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010996.D
 Acq On : 18 Oct 2022 15:57
 Operator : KP/MD
 Sample : N5149-13MSD
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW5-GW-938-940MSD

Quant Time: Oct 18 17:25:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/19/2022
 Supervised By :Mahesh Dadoda 10/19/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	165438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	256726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	209095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	72051	47.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.560%		
35) Dibromofluoromethane	7.716	113	70339	49.113	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.220%		
50) Toluene-d8	10.179	98	240749	44.912	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.820%		
62) 4-Bromofluorobenzene	12.477	95	68057	34.915	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	69.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	58787	53.571	ug/l	99
3) Chloromethane	2.113	50	78605	49.928	ug/l	99
4) Vinyl Chloride	2.247	62	95027	53.254	ug/l	99
5) Bromomethane	2.650	94	59158	47.932	ug/l	96
6) Chloroethane	2.790	64	59936	50.263	ug/l	98
7) Trichlorofluoromethane	3.125	101	142413	54.527	ug/l	93
8) Diethyl Ether	3.527	74	47793	49.036	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	90193	55.054	ug/l	93
10) Methyl Iodide	4.088	142	95054	47.417	ug/l	90
11) Tert butyl alcohol	4.948	59	40751	236.353	ug/l	96
12) 1,1-Dichloroethene	3.869	96	81247	51.770	ug/l	84
13) Acrolein	3.723	56	59139	240.721	ug/l	98
14) Allyl chloride	4.479	41	119946	48.196	ug/l #	86
15) Acrylonitrile	5.155	53	136928	269.520	ug/l	97
16) Acetone	3.942	43	105782	239.031	ug/l #	86
17) Carbon Disulfide	4.192	76	210992	45.859	ug/l	100
18) Methyl Acetate	4.472	43	66656	53.753	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	223407	50.950	ug/l	96
20) Methylene Chloride	4.710	84	109262	57.617	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	85002	47.977	ug/l	90
22) Diisopropyl ether	6.112	45	270236	50.700	ug/l	93
23) Vinyl Acetate	6.058	43	862934	270.740	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	160155	49.766	ug/l	99
25) 2-Butanone	6.978	43	162761	242.519	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	140574	49.191	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	99194	48.579	ug/l	89
28) Bromochloromethane	7.332	49	63452	55.245	ug/l	88
29) Tetrahydrofuran	7.344	42	107889	261.290	ug/l #	87
30) Chloroform	7.502	83	162633	50.133	ug/l	100
31) Cyclohexane	7.783	56	141111	48.389	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	145283	50.949	ug/l	95
36) 1,1-Dichloropropene	7.911	75	121983	51.041	ug/l	99
37) Ethyl Acetate	7.070	43	74287	56.144	ug/l	95
38) Carbon Tetrachloride	7.899	117	130594	52.936	ug/l	98
39) Methylcyclohexane	9.179	83	137134	47.908	ug/l	92
40) Benzene	8.155	78	350850	50.034	ug/l	97

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41) Methacrylonitrile	7.301	41	35188m	49.075	ug/l	
42) 1,2-Dichloroethane	8.234	62	104456	53.761	ug/l	91
43) Isopropyl Acetate	8.271	43	128788	54.477	ug/l #	90
44) Trichloroethene	8.935	130	91473	48.137	ug/l	93
45) 1,2-Dichloropropane	9.209	63	91557	51.461	ug/l	96
46) Dibromomethane	9.301	93	53493	53.907	ug/l	95
47) Bromodichloromethane	9.496	83	123778	51.761	ug/l	98
48) Methyl methacrylate	9.289	41	56994	53.869	ug/l #	79
49) 1,4-Dioxane	9.295	88	15104	1059.373	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	354094	268.576	ug/l #	87
52) Toluene	10.240	92	212521	48.785	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	122553	49.332	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	141933	49.927	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	77457	54.107	ug/l	98
56) Ethyl methacrylate	10.508	69	98473	51.792	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	128688	52.284	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	122422	138.267	ug/l	97
59) 2-Hexanone	10.831	43	235375	259.900	ug/l	86
60) Dibromochloromethane	10.983	129	86852	51.022	ug/l	100
61) 1,2-Dibromoethane	11.087	107	70346	51.314	ug/l	100
64) Tetrachloroethene	10.715	164	81078	49.812	ug/l	97
65) Chlorobenzene	11.514	112	205167	47.793	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	83869	52.784	ug/l	97
67) Ethyl Benzene	11.593	91	375162	49.399	ug/l	99
68) m/p-Xylenes	11.703	106	279372	95.627	ug/l	95
69) o-Xylene	12.026	106	135595	48.879	ug/l	94
70) Styrene	12.044	104	187906	39.976	ug/l	97
71) Bromoform	12.203	173	53395	54.450	ug/l #	100
73) Isopropylbenzene	12.325	105	348668	68.072	ug/l	100
74) N-amyl acetate	12.142	43	96073	73.927	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	87601	81.493	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	65475m	81.802	ug/l	
77) Bromobenzene	12.605	156	74991	62.635	ug/l	94
78) n-propylbenzene	12.672	91	386072	61.951	ug/l	99
79) 2-Chlorotoluene	12.758	91	206426	58.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	243673	57.017	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	30114	80.917	ug/l #	84
82) 4-Chlorotoluene	12.855	91	199868	54.696	ug/l	99
83) tert-Butylbenzene	13.075	119	238713	64.594	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	236422	56.102	ug/l	98
85) sec-Butylbenzene	13.251	105	318348	57.326	ug/l	99
86) p-Isopropyltoluene	13.367	119	247400	53.702	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	111564	46.690	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	111140	46.780	ug/l	99
89) n-Butylbenzene	13.696	91	193734	45.003	ug/l	99
90) Hexachloroethane	13.959	117	51827	57.004	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	103905	48.603	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12490	70.274	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	28381	22.213	ug/l	98
94) Hexachlorobutadiene	15.111	225	24594	32.702	ug/l	98
95) Naphthalene	15.233	128	99514	38.244	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27383	24.566	ug/l	98

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

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