

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010995.D
 Acq On : 18 Oct 2022 15:34
 Operator : KP/MD
 Sample : N5149-12MS
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 18 17:24:47 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	68582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	101113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	85086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	32516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	28951	45.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.660%		
35) Dibromofluoromethane	7.716	113	28396	50.398	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.800%		
50) Toluene-d8	10.179	98	100981	47.830	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.660%		
62) 4-Bromofluorobenzene	12.483	95	29341	38.528	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	77.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25871	56.870	ug/l	98
3) Chloromethane	2.113	50	32736	50.159	ug/l	97
4) Vinyl Chloride	2.253	62	40563	54.835	ug/l	100
5) Bromomethane	2.656	94	24180	47.260	ug/l	99
6) Chloroethane	2.796	64	25050	50.675	ug/l	100
7) Trichlorofluoromethane	3.125	101	61995	57.259	ug/l	91
8) Diethyl Ether	3.528	74	18290	45.268	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	38959	57.365	ug/l	94
10) Methyl Iodide	4.088	142	40178	48.347	ug/l	90
11) Tert butyl alcohol	4.942	59	16955	237.304	ug/l	96
12) 1,1-Dichloroethene	3.869	96	33690	51.784	ug/l	87
13) Acrolein	3.729	56	24538	240.937	ug/l	98
14) Allyl chloride	4.473	41	45312	43.920	ug/l #	89
15) Acrylonitrile	5.155	53	53352	253.323	ug/l	98
16) Acetone	3.942	43	43250	235.751	ug/l #	86
17) Carbon Disulfide	4.192	76	89891	47.130	ug/l	98
18) Methyl Acetate	4.473	43	26011	50.424	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	83612	45.998	ug/l	98
20) Methylene Chloride	4.710	84	42051	52.973	ug/l	83
21) trans-1,2-Dichloroethene	5.210	96	35253	47.998	ug/l	87
22) Diisopropyl ether	6.112	45	102445	46.364	ug/l #	94
23) Vinyl Acetate	6.058	43	321837	243.577	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	63891	47.892	ug/l	98
25) 2-Butanone	6.978	43	63949	229.855	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	58661	49.517	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	38869	45.919	ug/l	90
28) Bromochloromethane	7.332	49	25310	53.290	ug/l	90
29) Tetrahydrofuran	7.344	42	40852	238.662	ug/l #	86
30) Chloroform	7.502	83	64087	47.655	ug/l	95
31) Cyclohexane	7.777	56	59356	49.099	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	60277	50.992	ug/l	96
36) 1,1-Dichloropropene	7.911	75	51518	54.733	ug/l	99
37) Ethyl Acetate	7.064	43	28268	54.244	ug/l #	94
38) Carbon Tetrachloride	7.899	117	54893	56.495	ug/l	98
39) Methylcyclohexane	9.179	83	58092	51.528	ug/l	94
40) Benzene	8.155	78	140507	50.875	ug/l	96

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41) Methacrylonitrile	7.307	41	16079	56.936	ug/l #	47
42) 1,2-Dichloroethane	8.234	62	40554	52.994	ug/l	91
43) Isopropyl Acetate	8.265	43	48018	51.571	ug/l #	89
44) Trichloroethene	8.935	130	37996	50.768	ug/l	92
45) 1,2-Dichloropropane	9.216	63	36568	52.185	ug/l	93
46) Dibromomethane	9.301	93	19995	51.160	ug/l	96
47) Bromodichloromethane	9.496	83	48380	51.368	ug/l	100
48) Methyl methacrylate	9.289	41	20880	50.107	ug/l #	78
49) 1,4-Dioxane	9.289	88	6213	1106.423	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	132931	255.998	ug/l	89
52) Toluene	10.240	92	84993	49.537	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	46296	47.316	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	54971	49.096	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	30630	54.325	ug/l	98
56) Ethyl methacrylate	10.508	69	36705	49.015	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	50297	51.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	67863	187.695	ug/l	96
59) 2-Hexanone	10.831	43	84946	238.151	ug/l	88
60) Dibromochloromethane	10.984	129	34034	50.764	ug/l	98
61) 1,2-Dibromoethane	11.087	107	27541	51.008	ug/l	100
64) Tetrachloroethene	10.721	164	34720	52.420	ug/l	98
65) Chlorobenzene	11.514	112	82407	47.174	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	33497	51.807	ug/l	97
67) Ethyl Benzene	11.593	91	150737	48.776	ug/l	99
68) m/p-Xylenes	11.703	106	112937	94.999	ug/l	95
69) o-Xylene	12.026	106	53146	47.080	ug/l	96
70) Styrene	12.044	104	79662	41.648	ug/l	96
71) Bromoform	12.209	173	21167	53.045	ug/l #	99
73) Isopropylbenzene	12.331	105	146345	61.949	ug/l	99
74) N-amyl acetate	12.142	43	33710	56.242	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	34147	68.875	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27088m	73.377	ug/l	
77) Bromobenzene	12.611	156	30441	55.127	ug/l	97
78) n-propylbenzene	12.672	91	162654	56.591	ug/l	99
79) 2-Chlorotoluene	12.758	91	86458	53.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	107101	54.336	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	10780	62.804	ug/l	86
82) 4-Chlorotoluene	12.855	91	85111	50.501	ug/l	99
83) tert-Butylbenzene	13.075	119	99050	58.112	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	99333	51.107	ug/l	100
85) sec-Butylbenzene	13.251	105	139673	54.533	ug/l	100
86) p-Isopropyltoluene	13.367	119	108823	51.217	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	48255	43.787	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	48163	43.954	ug/l	99
89) n-Butylbenzene	13.696	91	88300	44.472	ug/l	99
90) Hexachloroethane	13.959	117	22669	54.061	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	44747	45.382	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4794	58.483	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	12721	21.587	ug/l	98
94) Hexachlorobutadiene	15.111	225	11911	34.339	ug/l	97
95) Naphthalene	15.233	128	37180	30.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	11610	22.583	ug/l	96

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

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