

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031023\
 Data File : VY012913.D
 Acq On : 10 Mar 2023 12:09
 Operator : KP/MD
 Sample : 01829-12MSD
 Misc : 4.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-10-20230306MSD

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 11 05:47:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	72534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	112437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	76978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	41671	57.863	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.720%			
35) Dibromofluoromethane	7.716	113	38326	56.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.960%			
50) Toluene-d8	10.179	98	100901	40.675	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 81.340%			
62) 4-Bromofluorobenzene	12.483	95	26366	31.490	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 62.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41724	58.361	ug/l	95
3) Chloromethane	2.113	50	49247	57.619	ug/l	98
4) Vinyl Chloride	2.253	62	48383	61.733	ug/l	98
5) Bromomethane	2.650	94	29383	61.699	ug/l	89
6) Chloroethane	2.790	64	29588	63.036	ug/l	99
7) Trichlorofluoromethane	3.125	101	74342	57.111	ug/l	99
8) Diethyl Ether	3.528	74	30781	67.478	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	39207	50.062	ug/l	98
10) Methyl Iodide	4.088	142	62020	60.778	ug/l	99
11) Tert butyl alcohol	4.948	59	30830	382.969	ug/l	100
12) 1,1-Dichloroethene	3.875	96	43013	57.586	ug/l	95
13) Acrolein	3.729	56	15417	122.189	ug/l	100
14) Allyl chloride	4.479	41	74520	54.010	ug/l	95
15) Acrylonitrile	5.155	53	89268	371.401	ug/l	100
16) Acetone	3.942	43	92072	325.721	ug/l	99
17) Carbon Disulfide	4.192	76	127819	50.274	ug/l	98
18) Methyl Acetate	4.479	43	141729	168.367	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	138761	71.923	ug/l	99
20) Methylene Chloride	4.716	84	54792	65.149	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	47611	58.656	ug/l	93
22) Diisopropyl ether	6.119	45	156845	62.588	ug/l	96
23) Vinyl Acetate	6.064	43	158856m	102.021	ug/l	
24) 1,1-Dichloroethane	6.015	63	85311	59.742	ug/l	99
25) 2-Butanone	6.984	43	105533	301.426	ug/l	98
26) 2,2-Dichloropropane	6.984	77	70281	55.414	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	52899	60.786	ug/l	96
28) Bromochloromethane	7.332	49	32775	62.805	ug/l	96
29) Tetrahydrofuran	7.344	42	80666	382.014	ug/l	98
30) Chloroform	7.509	83	85902	60.901	ug/l	100
31) Cyclohexane	7.783	56	50785	36.821	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	68207	53.471	ug/l	99
36) 1,1-Dichloropropene	7.917	75	54174	47.642	ug/l	99
37) Ethyl Acetate	7.076	43	24399	34.043	ug/l	99
38) Carbon Tetrachloride	7.905	117	57656	49.100	ug/l	98
39) Methylcyclohexane	9.185	83	41024	30.346	ug/l	98
40) Benzene	8.161	78	176284	54.805	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	26360m	68.265	ug/l	
42) 1,2-Dichloroethane	8.234	62	62993	65.139	ug/l	100
43) Isopropyl Acetate	8.271	43	42139	32.955	ug/l #	64
44) Trichloroethene	8.941	130	40192	47.393	ug/l	100
45) 1,2-Dichloropropane	9.216	63	45780	56.316	ug/l	98
46) Dibromomethane	9.301	93	30237	65.290	ug/l	99
47) Bromodichloromethane	9.496	83	62682	57.435	ug/l	94
48) Methyl methacrylate	9.295	41	45626	77.439	ug/l	97
49) 1,4-Dioxane	9.295	88	10063	1680.819	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	204733	295.172	ug/l	100
52) Toluene	10.246	92	88955	45.856	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	65021	56.801	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	71232	54.977	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	38741	60.067	ug/l	96
56) Ethyl methacrylate	10.508	69	31983	37.190	ug/l	99
57) 1,3-Dichloropropane	10.788	76	66267	60.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	150442	333.237	ug/l	99
59) 2-Hexanone	10.831	43	132426	262.697	ug/l	99
60) Dibromochloromethane	10.984	129	42661	54.338	ug/l	100
61) 1,2-Dibromoethane	11.087	107	37013	59.575	ug/l	97
64) Tetrachloroethene	10.721	164	24036	42.886	ug/l	96
65) Chlorobenzene	11.514	112	84007	51.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	35512	59.403	ug/l	99
67) Ethyl Benzene	11.593	91	128612	45.279	ug/l	100
68) m/p-Xylenes	11.703	106	96141	87.984	ug/l	100
69) o-Xylene	12.032	106	46836	45.926	ug/l	97
70) Styrene	12.044	104	82524	48.491	ug/l	100
71) Bromoform	12.209	173	26155	67.102	ug/l #	98
73) Isopropylbenzene	12.331	105	94966	53.938	ug/l	100
74) N-amyl acetate	12.142	43	11050	19.947	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	41303	104.358	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	33138m	111.702	ug/l	
77) Bromobenzene	12.605	156	30607	71.559	ug/l	92
78) n-propylbenzene	12.672	91	104646	48.209	ug/l	100
79) 2-Chlorotoluene	12.758	91	66453	55.083	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	67699	46.593	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	14986	104.668	ug/l	98
82) 4-Chlorotoluene	12.855	91	70657	56.578	ug/l	99
83) tert-Butylbenzene	13.075	119	53348	42.539	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	68180	47.987	ug/l	99
85) sec-Butylbenzene	13.251	105	68406	35.754	ug/l	99
86) p-Isopropyltoluene	13.367	119	55165	35.279	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	41211	49.957	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	42869	50.918	ug/l	100
89) n-Butylbenzene	13.696	91	42240	28.218	ug/l	99
90) Hexachloroethane	13.959	117	11266	34.593	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	38312	51.377	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6032	94.303	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	12201	26.574	ug/l	98
94) Hexachlorobutadiene	15.111	225	4231	15.109	ug/l	91
95) Naphthalene	15.239	128	40395	43.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10535	25.800	ug/l	99

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

