

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010413.D
 Acq On : 09 Sep 2022 12:54
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 09 16:53:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 16:52:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	271300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	419733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	193404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52143	19.083	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.160%#		
35) Dibromofluoromethane	7.710	113	70469	23.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	47.280%#		
50) Toluene-d8	10.179	98	166428	17.227	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	34.460%#		
62) 4-Bromofluorobenzene	12.477	95	120005	27.068	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	54.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	47038	22.629	ug/l	96
3) Chloromethane	2.107	50	65023	21.333	ug/l	96
4) Vinyl Chloride	2.247	62	80014	21.278	ug/l	98
5) Bromomethane	2.625	94	54802	20.802	ug/l	97
6) Chloroethane	2.784	64	53298	21.190	ug/l	99
7) Trichlorofluoromethane	3.113	101	100038	21.002	ug/l	91
8) Diethyl Ether	3.521	74	32131	20.828	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	57316	20.551	ug/l	96
10) Methyl Iodide	4.082	142	72013	20.867	ug/l	90
11) Tert butyl alcohol	4.936	59	42794	116.070	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	53988	20.635	ug/l	82
13) Acrolein	3.723	56	27559	105.721	ug/l	97
14) Allyl chloride	4.472	41	76749	20.371	ug/l #	94
15) Acrylonitrile	5.149	53	76726	102.740	ug/l	97
16) Acetone	3.942	43	65421	104.329	ug/l	90
17) Carbon Disulfide	4.186	76	153418	21.684	ug/l	100
18) Methyl Acetate	4.472	43	40076	20.774	ug/l #	86
19) Methyl tert-butyl Ether	5.216	73	145400	20.124	ug/l	96
20) Methylene Chloride	4.704	84	77784	20.325	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	62247	20.954	ug/l	86
22) Diisopropyl ether	6.112	45	168377	20.018	ug/l #	95
23) Vinyl Acetate	6.051	43	519185	100.724	ug/l #	92
24) 1,1-Dichloroethane	6.003	63	103174	20.261	ug/l	99
25) 2-Butanone	6.978	43	100480	100.828	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	95965	19.750	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	70211	20.333	ug/l	87
28) Bromochloromethane	7.326	49	27298	16.720	ug/l #	79
29) Tetrahydrofuran	7.344	42	64881	104.317	ug/l #	84
30) Chloroform	7.502	83	109649	20.300	ug/l	97
31) Cyclohexane	7.777	56	94934	20.566	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	99292	20.301	ug/l	95
36) 1,1-Dichloropropene	7.911	75	82729	20.272	ug/l	95
37) Ethyl Acetate	7.070	43	44012	20.515	ug/l #	93
38) Carbon Tetrachloride	7.893	117	92001	20.264	ug/l	99
39) Methylcyclohexane	9.179	83	105446	20.722	ug/l	88
40) Benzene	8.155	78	239336	20.373	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	24119m	20.728	ug/l	
42) 1,2-Dichloroethane	8.234	62	71666	20.514	ug/l	94
43) Isopropyl Acetate	8.271	43	79815	20.329	ug/l #	89
44) Trichloroethene	8.935	130	71561	20.694	ug/l	99
45) 1,2-Dichloropropane	9.216	63	57431	20.045	ug/l	97
46) Dibromomethane	9.301	93	35551	20.576	ug/l	98
47) Bromodichloromethane	9.490	83	82563	20.118	ug/l	98
48) Methyl methacrylate	9.289	41	35938	20.381	ug/l #	84
49) 1,4-Dioxane	9.295	88	9366	409.499	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	218350	101.392	ug/l	89
52) Toluene	10.240	92	154662	20.118	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	83309	19.725	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	95083	19.960	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	49371	20.088	ug/l	98
56) Ethyl methacrylate	10.508	69	64629	20.023	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	84015	20.558	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	134163	122.183	ug/l	93
59) 2-Hexanone	10.831	43	150291	102.381	ug/l	88
60) Dibromochloromethane	10.983	129	60469	20.133	ug/l	100
61) 1,2-Dibromoethane	11.087	107	48805	20.456	ug/l	100
64) Tetrachloroethene	10.715	164	69968	20.582	ug/l	96
65) Chlorobenzene	11.514	112	169801	20.132	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	61760	19.770	ug/l	97
67) Ethyl Benzene	11.593	91	297626	19.938	ug/l	97
68) m/p-Xylenes	11.703	106	234600	40.031	ug/l	94
69) o-Xylene	12.026	106	112388	20.084	ug/l	93
70) Styrene	12.044	104	187984	19.848	ug/l	95
71) Bromoform	12.209	173	39477	20.213	ug/l #	98
73) Isopropylbenzene	12.331	105	298234	19.764	ug/l	100
74) N-amyl acetate	12.142	43	68561	19.473	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	57628	20.415	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	42874m	20.391	ug/l	
77) Bromobenzene	12.605	156	71886	20.104	ug/l	91
78) n-propylbenzene	12.672	91	356333	19.941	ug/l	97
79) 2-Chlorotoluene	12.751	91	198323	19.758	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	256488	20.145	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	18687	19.438	ug/l	89
82) 4-Chlorotoluene	12.855	91	204149	19.550	ug/l	96
83) tert-Butylbenzene	13.075	119	221985	19.947	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	249537	20.030	ug/l	97
85) sec-Butylbenzene	13.251	105	324714	19.705	ug/l	98
86) p-Isopropyltoluene	13.367	119	275376	19.756	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	142491	19.845	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	140740	19.795	ug/l	99
89) n-Butylbenzene	13.696	91	251864	19.907	ug/l	98
90) Hexachloroethane	13.959	117	51596	19.716	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	126366	19.870	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9486	19.909	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	80780	20.452	ug/l	99
94) Hexachlorobutadiene	15.111	225	48865	20.504	ug/l	98
95) Naphthalene	15.233	128	158539	20.350	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	70112	20.335	ug/l	99

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

