

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011887.D
 Acq On : 15 Dec 2022 21:01
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022

Quant Time: Dec 16 00:17:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	208130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	294206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	69276	48.648	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.300%		
35) Dibromofluoromethane	7.716	113	73077	50.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.720%		
50) Toluene-d8	10.179	98	219105	45.904	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.800%		
62) 4-Bromofluorobenzene	12.483	95	95620	51.022	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44721	48.243	ug/l	98
3) Chloromethane	2.113	50	54386	48.764	ug/l	98
4) Vinyl Chloride	2.253	62	63344	47.436	ug/l	99
5) Bromomethane	2.649	94	46482	52.208	ug/l	99
6) Chloroethane	2.796	64	45808	44.384	ug/l	97
7) Trichlorofluoromethane	3.125	101	131082	45.816	ug/l	99
8) Diethyl Ether	3.527	74	47273	47.172	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	78991	46.250	ug/l	99
10) Methyl Iodide	4.094	142	95963	47.989	ug/l	98
11) Tert butyl alcohol	4.948	59	41923	250.664	ug/l	98
12) 1,1-Dichloroethene	3.869	96	70379	45.692	ug/l	99
13) Acrolein	3.729	56	55948	190.687	ug/l	99
14) Allyl chloride	4.485	41	117301	45.846	ug/l	98
15) Acrylonitrile	5.161	53	127870	237.723	ug/l	100
16) Acetone	3.942	43	105471	185.588	ug/l	96
17) Carbon Disulfide	4.198	76	149533	42.510	ug/l	98
18) Methyl Acetate	4.485	43	60122	44.223	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	241246	50.022	ug/l	98
20) Methylene Chloride	4.716	84	113715	57.036	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	80417	46.451	ug/l	98
22) Diisopropyl ether	6.118	45	281808	50.483	ug/l	97
23) Vinyl Acetate	6.057	43	827083	259.709	ug/l	99
24) 1,1-Dichloroethane	6.021	63	163600	48.228	ug/l	98
25) 2-Butanone	6.984	43	156343	213.871	ug/l	100
26) 2,2-Dichloropropane	6.984	77	149910	46.972	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	106200	50.192	ug/l	98
28) Bromochloromethane	7.332	49	62299	50.446	ug/l	97
29) Tetrahydrofuran	7.344	42	97912	235.323	ug/l	98
30) Chloroform	7.508	83	182125	50.220	ug/l	98
31) Cyclohexane	7.783	56	117192	48.238	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	160757	49.705	ug/l	100
36) 1,1-Dichloropropene	7.917	75	117010	47.615	ug/l	99
37) Ethyl Acetate	7.069	43	67162	46.748	ug/l	98
38) Carbon Tetrachloride	7.905	117	144243	49.970	ug/l	96
39) Methylcyclohexane	9.185	83	128877	46.610	ug/l	99
40) Benzene	8.161	78	359989	49.036	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	36522m	50.357	ug/l	
42) 1,2-Dichloroethane	8.240	62	113543	50.014	ug/l	100
43) Isopropyl Acetate	8.270	43	125392	48.133	ug/l	99
44) Trichloroethene	8.941	130	99081	48.190	ug/l	96
45) 1,2-Dichloropropane	9.215	63	94018	49.481	ug/l	99
46) Dibromomethane	9.307	93	53049	49.877	ug/l	99
47) Bromodichloromethane	9.496	83	142035	51.691	ug/l	98
48) Methyl methacrylate	9.295	41	55503	48.333	ug/l	96
49) 1,4-Dioxane	9.301	88	14332	972.673	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	357738	249.216	ug/l	99
52) Toluene	10.246	92	236458	50.665	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	138320	50.396	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	154142	49.985	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	81139	51.614	ug/l	99
56) Ethyl methacrylate	10.508	69	103907	51.202	ug/l	99
57) 1,3-Dichloropropane	10.788	76	132964	50.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	241065	256.178	ug/l	99
59) 2-Hexanone	10.831	43	243502	237.421	ug/l	99
60) Dibromochloromethane	10.983	129	103245	52.436	ug/l	99
61) 1,2-Dibromoethane	11.087	107	71544	50.236	ug/l	100
64) Tetrachloroethene	10.721	164	102334	49.163	ug/l	98
65) Chlorobenzene	11.514	112	261281	49.288	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	106633	51.851	ug/l	99
67) Ethyl Benzene	11.593	91	465661	49.853	ug/l	99
68) m/p-Xylenes	11.703	106	358712	100.280	ug/l	100
69) o-Xylene	12.032	106	174757	51.254	ug/l	99
70) Styrene	12.044	104	299547	51.474	ug/l	99
71) Bromoform	12.209	173	65914	51.963	ug/l #	100
73) Isopropylbenzene	12.331	105	476283	50.672	ug/l	99
74) N-amyl acetate	12.142	43	108496	48.009	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	90092	49.216	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	71099m	48.440	ug/l	
77) Bromobenzene	12.611	156	111803	50.945	ug/l	99
78) n-propylbenzene	12.672	91	564637	50.127	ug/l	100
79) 2-Chlorotoluene	12.757	91	320999	49.933	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	403135	50.742	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	30556	47.240	ug/l	98
82) 4-Chlorotoluene	12.855	91	333814	50.064	ug/l	99
83) tert-Butylbenzene	13.074	119	358472	51.818	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	400015	51.137	ug/l	99
85) sec-Butylbenzene	13.251	105	522902	50.755	ug/l	99
86) p-Isopropyltoluene	13.367	119	440336	51.352	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	223113	50.519	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	219133	49.923	ug/l	99
89) n-Butylbenzene	13.696	91	391993	50.288	ug/l	99
90) Hexachloroethane	13.958	117	85899	50.413	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	200590	50.472	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15235	47.737	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	120363	51.926	ug/l	98
94) Hexachlorobutadiene	15.111	225	74449	50.550	ug/l	99
95) Naphthalene	15.233	128	241417	53.774	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	104847	52.366	ug/l	99

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

