

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011915.D
 Acq On : 20 Dec 2022 11:52
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 20 12:07:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:07:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	235134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	363748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	236711	123.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 247.920%#			
35) Dibromofluoromethane	7.716	113	216092	117.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 235.600%#			
50) Toluene-d8	10.179	98	884906	137.511	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 275.020%#			
62) 4-Bromofluorobenzene	12.483	95	306781	124.159	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 248.320%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	189424	147.573	ug/l	99
3) Chloromethane	2.113	50	211444	147.047	ug/l	97
4) Vinyl Chloride	2.253	62	233854	138.929	ug/l	97
5) Bromomethane	2.644	94	159457	137.293	ug/l	96
6) Chloroethane	2.790	64	149253	128.006	ug/l	97
7) Trichlorofluoromethane	3.125	101	394623	122.088	ug/l	99
8) Diethyl Ether	3.528	74	128932	113.881	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	215905	111.895	ug/l	98
10) Methyl Iodide	4.095	142	328891	145.582	ug/l	99
11) Tert butyl alcohol	4.954	59	112355	390.823	ug/l	99
12) 1,1-Dichloroethene	3.875	96	223911	128.673	ug/l	98
13) Acrolein	3.729	56	108689	327.901	ug/l	98
14) Allyl chloride	4.479	41	333419	115.348	ug/l	97
15) Acrylonitrile	5.161	53	306724	504.741	ug/l	100
16) Acetone	3.948	43	384696	599.175	ug/l	97
17) Carbon Disulfide	4.198	76	712285	179.235	ug/l	100
18) Methyl Acetate	4.473	43	167283	92.258	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	605217	111.079	ug/l	97
20) Methylene Chloride	4.716	84	259778	88.279	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	247560	126.575	ug/l	97
22) Diisopropyl ether	6.119	45	641375	101.700	ug/l	97
23) Vinyl Acetate	6.058	43	1986142	552.036	ug/l	98
24) 1,1-Dichloroethane	6.015	63	409412	106.831	ug/l	99
25) 2-Butanone	6.984	43	435069	526.806	ug/l	97
26) 2,2-Dichloropropane	6.984	77	396718	110.030	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	272614	114.045	ug/l	98
28) Bromochloromethane	7.332	49	108366	77.670	ug/l	93
29) Tetrahydrofuran	7.344	42	245168	521.569	ug/l	96
30) Chloroform	7.509	83	439426	107.254	ug/l	99
31) Cyclohexane	7.789	56	370824	120.732	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	417799	114.344	ug/l	99
36) 1,1-Dichloropropene	7.917	75	338375	122.587	ug/l	99
37) Ethyl Acetate	7.076	43	166267	103.031	ug/l	98
38) Carbon Tetrachloride	7.899	117	391034	120.601	ug/l	96
39) Methylcyclohexane	9.185	83	419073	134.931	ug/l	98
40) Benzene	8.161	78	969101	117.521	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	84779m	104.067	ug/l	
42) 1,2-Dichloroethane	8.240	62	284324	111.499	ug/l	99
43) Isopropyl Acetate	8.271	43	305647	104.452	ug/l	98
44) Trichloroethene	8.941	130	273926	118.610	ug/l	99
45) 1,2-Dichloropropane	9.216	63	223913	104.913	ug/l	100
46) Dibromomethane	9.307	93	132289	110.730	ug/l	100
47) Bromodichloromethane	9.496	83	333718	108.124	ug/l	98
48) Methyl methacrylate	9.295	41	147619	114.445	ug/l	98
49) 1,4-Dioxane	9.295	88	34911	2109.335	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	840176	521.080	ug/l	99
52) Toluene	10.246	92	629985	120.173	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	347740	112.796	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	387650	111.914	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	185200	104.882	ug/l	99
56) Ethyl methacrylate	10.508	69	263051	115.400	ug/l	98
57) 1,3-Dichloropropane	10.789	76	315712	107.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	466783	441.616	ug/l	96
59) 2-Hexanone	10.831	43	646554	561.235	ug/l	98
60) Dibromochloromethane	10.984	129	237618	107.440	ug/l	100
61) 1,2-Dibromoethane	11.087	107	178942	111.860	ug/l	99
64) Tetrachloroethene	10.721	164	274471	117.679	ug/l	98
65) Chlorobenzene	11.514	112	658000	110.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	245113	106.370	ug/l	98
67) Ethyl Benzene	11.593	91	1228340	117.362	ug/l	99
68) m/p-Xylenes	11.703	106	948572	236.659	ug/l	100
69) o-Xylene	12.032	106	447502	117.131	ug/l	99
70) Styrene	12.044	104	755811	115.910	ug/l	99
71) Bromoform	12.209	173	152238	107.108	ug/l #	99
73) Isopropylbenzene	12.331	105	1204195	115.472	ug/l	100
74) N-amyl acetate	12.142	43	271508	108.286	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	199785	98.371	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	196416m	120.614	ug/l	
77) Bromobenzene	12.605	156	273672	112.397	ug/l	98
78) n-propylbenzene	12.672	91	1425594	114.072	ug/l	100
79) 2-Chlorotoluene	12.758	91	793795	111.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	1013099	114.935	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	77461	107.939	ug/l	99
82) 4-Chlorotoluene	12.855	91	832961	112.596	ug/l	100
83) tert-Butylbenzene	13.075	119	871456	113.540	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1005475	115.853	ug/l	99
85) sec-Butylbenzene	13.251	105	1272922	111.362	ug/l	99
86) p-Isopropyltoluene	13.367	119	1091111	114.690	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	539523	110.108	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	535352	109.929	ug/l	99
89) n-Butylbenzene	13.697	91	993189	114.841	ug/l	99
90) Hexachloroethane	13.959	117	199085	105.312	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	473056	107.284	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36530	103.167	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	302663	117.688	ug/l	99
94) Hexachlorobutadiene	15.111	225	178223	109.070	ug/l	99
95) Naphthalene	15.233	128	615207	123.510	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	259057	116.619	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Page: 4