

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120922\
 Data File : VY011740.D
 Acq On : 09 Dec 2022 12:22
 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 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

Quant Time: Dec 10 03:09:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 03:06:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	255346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	395923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	347646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	162234	78.232	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 156.460%			
35) Dibromofluoromethane	7.716	113	166512	83.392	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 166.780%#			
50) Toluene-d8	10.179	98	530808	75.783	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 151.560%#			
62) 4-Bromofluorobenzene	12.483	95	217844	81.000	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 162.000%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	105295	75.538	ug/l	100
3) Chloromethane	2.113	50	130619	83.647	ug/l	98
4) Vinyl Chloride	2.253	62	158551	86.737	ug/l	99
5) Bromomethane	2.644	94	105148	83.367	ug/l	95
6) Chloroethane	2.790	64	111373	87.958	ug/l	100
7) Trichlorofluoromethane	3.125	101	310346	88.415	ug/l	100
8) Diethyl Ether	3.528	74	115326	93.800	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	189960	90.656	ug/l	100
10) Methyl Iodide	4.088	142	240534	98.043	ug/l	99
11) Tert butyl alcohol	4.954	59	109924	352.100	ug/l	99
12) 1,1-Dichloroethene	3.869	96	174800	92.500	ug/l	95
13) Acrolein	3.729	56	176056	489.096	ug/l	99
14) Allyl chloride	4.479	41	300792	95.824	ug/l	100
15) Acrylonitrile	5.161	53	322311	488.408	ug/l	100
16) Acetone	3.942	43	364762	523.157	ug/l	97
17) Carbon Disulfide	4.192	76	384701	89.141	ug/l	100
18) Methyl Acetate	4.479	43	157420	79.946	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	586958	99.201	ug/l	99
20) Methylene Chloride	4.716	84	226789	70.968	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	195932	92.249	ug/l	96
22) Diisopropyl ether	6.119	45	652663	95.298	ug/l	98
23) Vinyl Acetate	6.058	43	2034050	520.601	ug/l	99
24) 1,1-Dichloroethane	6.021	63	390014	93.713	ug/l	99
25) 2-Butanone	6.984	43	446393	497.733	ug/l	99
26) 2,2-Dichloropropane	6.984	77	366745	93.665	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	247681	95.413	ug/l	99
28) Bromochloromethane	7.338	49	143178	94.499	ug/l	100
29) Tetrahydrofuran	7.344	42	249211	488.204	ug/l	100
30) Chloroform	7.509	83	413498	92.937	ug/l	99
31) Cyclohexane	7.783	56	286976	86.037	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	377236	95.071	ug/l	100
36) 1,1-Dichloropropene	7.917	75	282835	94.139	ug/l	100
37) Ethyl Acetate	7.070	43	170480	97.056	ug/l	99
38) Carbon Tetrachloride	7.899	117	334755	94.853	ug/l	99
39) Methylcyclohexane	9.185	83	323647	95.738	ug/l	99
40) Benzene	8.161	78	848074	94.487	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	93494m	105.337	ug/l	
42) 1,2-Dichloroethane	8.240	62	264206	95.190	ug/l	100
43) Isopropyl Acetate	8.271	43	319124	100.195	ug/l	99
44) Trichloroethene	8.941	130	235747	93.783	ug/l	98
45) 1,2-Dichloropropane	9.216	63	220979	95.124	ug/l	100
46) Dibromomethane	9.307	93	123119	94.680	ug/l	100
47) Bromodichloromethane	9.496	83	324549	96.608	ug/l	99
48) Methyl methacrylate	9.295	41	146215	104.144	ug/l	99
49) 1,4-Dioxane	9.295	88	36320	2016.132	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	891080	507.739	ug/l	100
52) Toluene	10.246	92	547411	95.936	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	331141	98.683	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	366807	97.291	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	184047	95.758	ug/l	99
56) Ethyl methacrylate	10.508	69	257490	103.781	ug/l	99
57) 1,3-Dichloropropane	10.788	76	306587	95.696	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	582453	506.268	ug/l	100
59) 2-Hexanone	10.831	43	659394	525.866	ug/l	100
60) Dibromochloromethane	10.984	129	232037	96.391	ug/l	99
61) 1,2-Dibromoethane	11.087	107	166657	95.714	ug/l	100
64) Tetrachloroethene	10.721	164	229459	93.290	ug/l	98
65) Chlorobenzene	11.514	112	600528	95.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	238928	98.321	ug/l	99
67) Ethyl Benzene	11.593	91	1090316	98.785	ug/l	100
68) m/p-Xylenes	11.703	106	828200	195.937	ug/l	100
69) o-Xylene	12.032	106	399720	99.212	ug/l	100
70) Styrene	12.044	104	684803	99.587	ug/l	99
71) Bromoform	12.209	173	145639	97.164	ug/l #	98
73) Isopropylbenzene	12.331	105	1080410	98.011	ug/l	100
74) N-amyl acetate	12.142	43	273634	103.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	205225	95.596	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	163024m	80.382	ug/l	
77) Bromobenzene	12.611	156	249677	97.008	ug/l	99
78) n-propylbenzene	12.672	91	1277973	96.741	ug/l	100
79) 2-Chlorotoluene	12.758	91	728227	96.591	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	906856	97.329	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	75620	99.687	ug/l	99
82) 4-Chlorotoluene	12.855	91	746938	95.519	ug/l	100
83) tert-Butylbenzene	13.075	119	801737	98.820	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	892303	97.264	ug/l	99
85) sec-Butylbenzene	13.251	105	1169412	96.786	ug/l	99
86) p-Isopropyltoluene	13.367	119	987865	98.234	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	491108	94.818	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	483423	93.909	ug/l	100
89) n-Butylbenzene	13.696	91	898510	98.287	ug/l	100
90) Hexachloroethane	13.959	117	187309	93.735	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	437440	93.852	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36001	96.186	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	280814	103.299	ug/l	99
94) Hexachlorobutadiene	15.111	225	163962	94.927	ug/l	99
95) Naphthalene	15.233	128	590432	112.139	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	245949	104.743	ug/l	98

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

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