

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011214.D
 Acq On : 01 Nov 2022 11:12
 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 11/02/2022
 Supervised By :Mahesh Dadoda 11/02/2022

Quant Time: Nov 01 11:29:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:09:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	247207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	394965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	362340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	246737	108.354	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 216.700%#			
35) Dibromofluoromethane	7.716	113	248084	115.505	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 231.000%#			
50) Toluene-d8	10.179	98	959052	116.293	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 232.580%#			
62) 4-Bromofluorobenzene	12.477	95	342929	121.802	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 243.600%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	186528	113.754	ug/l	99
3) Chloromethane	2.113	50	250712	106.573	ug/l	95
4) Vinyl Chloride	2.247	62	288475	108.190	ug/l	100
5) Bromomethane	2.637	94	189723	102.875	ug/l	99
6) Chloroethane	2.784	64	187314	105.125	ug/l	100
7) Trichlorofluoromethane	3.119	101	436730	111.904	ug/l	94
8) Diethyl Ether	3.521	74	162611	111.654	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	267267	109.178	ug/l	94
10) Methyl Iodide	4.082	142	372220	124.261	ug/l	91
11) Tert butyl alcohol	4.948	59	134638	551.372	ug/l	96
12) 1,1-Dichloroethene	3.863	96	269192	114.792	ug/l	82
13) Acrolein	3.723	56	63985	174.298	ug/l	98
14) Allyl chloride	4.473	41	416534	112.007	ug/l #	85
15) Acrylonitrile	5.155	53	398845	525.385	ug/l	97
16) Acetone	3.942	43	430884	651.595	ug/l #	82
17) Carbon Disulfide	4.186	76	866667	126.063	ug/l	100
18) Methyl Acetate	4.473	43	193171	107.057	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	730679	111.518	ug/l	98
20) Methylene Chloride	4.710	84	309360	115.644	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	305635	115.447	ug/l	90
22) Diisopropyl ether	6.112	45	846867	106.330	ug/l #	92
23) Vinyl Acetate	6.051	43	2673910	561.430	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	521782	108.507	ug/l	99
25) 2-Butanone	6.978	43	562790	561.198	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	464160	108.697	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	341488	111.921	ug/l	88
28) Bromochloromethane	7.332	49	201208	113.287	ug/l	84
29) Tetrahydrofuran	7.344	42	324130	525.338	ug/l #	84
30) Chloroform	7.502	83	526758	108.668	ug/l	100
31) Cyclohexane	7.783	56	480711	110.317	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	474826	111.438	ug/l	95
36) 1,1-Dichloropropene	7.911	75	421324	114.591	ug/l	98
37) Ethyl Acetate	7.070	43	214855	105.547	ug/l #	92
38) Carbon Tetrachloride	7.899	117	434492	114.478	ug/l	100
39) Methylcyclohexane	9.179	83	537348	122.019	ug/l	90
40) Benzene	8.155	78	1217884	112.891	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	126236m	114.435	ug/l	
42) 1,2-Dichloroethane	8.234	62	325964	109.047	ug/l	90
43) Isopropyl Acetate	8.271	43	394455	108.455	ug/l #	87
44) Trichloroethene	8.935	130	332479	113.727	ug/l	96
45) 1,2-Dichloropropane	9.216	63	301941	110.311	ug/l	95
46) Dibromomethane	9.301	93	169139	110.791	ug/l	97
47) Bromodichloromethane	9.496	83	408529	111.045	ug/l	99
48) Methyl methacrylate	9.289	41	187835	115.398	ug/l #	78
49) 1,4-Dioxane	9.295	88	47300	2156.401	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	1073979	529.486	ug/l #	86
52) Toluene	10.240	92	773390	115.396	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	437929	114.583	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	501842	114.743	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	240467	109.184	ug/l	99
56) Ethyl methacrylate	10.508	69	347580	118.825	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	417858	110.349	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	789428	525.412	ug/l	96
59) 2-Hexanone	10.831	43	805544	578.158	ug/l	82
60) Dibromochloromethane	10.984	129	291521	111.316	ug/l	100
61) 1,2-Dibromoethane	11.087	107	231181	109.612	ug/l	100
64) Tetrachloroethene	10.715	164	316356	112.159	ug/l	97
65) Chlorobenzene	11.514	112	813602	109.370	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	298302	108.338	ug/l	98
67) Ethyl Benzene	11.587	91	1492322	113.394	ug/l	99
68) m/p-Xylenes	11.697	106	1148639	226.886	ug/l	95
69) o-Xylene	12.026	106	545691	113.514	ug/l	95
70) Styrene	12.038	104	927247	113.835	ug/l	96
71) Bromoform	12.203	173	183480	107.973	ug/l #	99
73) Isopropylbenzene	12.325	105	1430483	110.805	ug/l	100
74) N-amyl acetate	12.142	43	356004	108.687	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	273426	100.918	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	194695m	96.508	ug/l	
77) Bromobenzene	12.605	156	326625	108.237	ug/l	99
78) n-propylbenzene	12.666	91	1728091	110.019	ug/l	99
79) 2-Chlorotoluene	12.752	91	977721	110.529	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	1193455	110.796	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	103554	110.397	ug/l #	82
82) 4-Chlorotoluene	12.849	91	1003226	108.926	ug/l	100
83) tert-Butylbenzene	13.075	119	1044139	112.097	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	1188389	111.884	ug/l	99
85) sec-Butylbenzene	13.251	105	1523868	108.873	ug/l	100
86) p-Isopropyltoluene	13.367	119	1286988	110.838	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	645049	107.106	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	635726	106.164	ug/l	99
89) n-Butylbenzene	13.690	91	1205968	111.144	ug/l	98
90) Hexachloroethane	13.959	117	245107	106.961	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	570326	105.844	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	46810	104.494	ug/l	83
93) 1,2,4-Trichlorobenzene	15.001	180	372318	115.613	ug/l	99
94) Hexachlorobutadiene	15.111	225	203768	107.497	ug/l	98
95) Naphthalene	15.233	128	796958	121.518	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	323524	115.155	ug/l	99

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

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