

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010762.D
 Acq On : 03 Oct 2022 12:56
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/04/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 07:08:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:03:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	261772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	417514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	378411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	136451	51.425	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.860%			
35) Dibromofluoromethane	7.716	113	129363	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.179	98	524608	55.349	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.700%			
62) 4-Bromofluorobenzene	12.483	95	175565	43.685	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	91736	50.585	ug/l	99
3) Chloromethane	2.113	50	149224	49.471	ug/l	97
4) Vinyl Chloride	2.247	62	183376	50.487	ug/l	98
5) Bromomethane	2.649	94	121565	47.168	ug/l	99
6) Chloroethane	2.790	64	121123	50.039	ug/l	98
7) Trichlorofluoromethane	3.125	101	217081	49.077	ug/l	94
8) Diethyl Ether	3.527	74	70224	49.350	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	125265	49.396	ug/l	95
10) Methyl Iodide	4.088	142	177356	52.318	ug/l	92
11) Tert butyl alcohol	4.948	59	58332	157.383	ug/l	98
12) 1,1-Dichloroethene	3.869	96	122992	49.696	ug/l	85
13) Acrolein	3.729	56	43766	214.326	ug/l	98
14) Allyl chloride	4.478	41	186380	50.308	ug/l #	94
15) Acrylonitrile	5.161	53	170635	246.141	ug/l	98
16) Acetone	3.942	43	183775	272.707	ug/l	91
17) Carbon Disulfide	4.192	76	397884	49.748	ug/l	99
18) Methyl Acetate	4.472	43	80220	46.508	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	324761	50.127	ug/l	99
20) Methylene Chloride	4.716	84	149311	42.068	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	143184	49.546	ug/l	87
22) Diisopropyl ether	6.118	45	413890	50.939	ug/l #	93
23) Vinyl Acetate	6.057	43	1265514	257.127	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	244398	49.394	ug/l	99
25) 2-Butanone	6.984	43	250990	259.059	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	228261	48.600	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	161190	50.259	ug/l	90
28) Bromochloromethane	7.332	49	94230	59.905	ug/l	88
29) Tetrahydrofuran	7.344	42	141517	248.389	ug/l #	86
30) Chloroform	7.502	83	253648	49.673	ug/l	99
31) Cyclohexane	7.783	56	228668	48.147	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	229776	49.951	ug/l	97
36) 1,1-Dichloropropene	7.917	75	203263	50.804	ug/l	99
37) Ethyl Acetate	7.069	43	99148	50.500	ug/l #	95
38) Carbon Tetrachloride	7.899	117	209627	50.304	ug/l	99
39) Methylcyclohexane	9.185	83	254930	51.874	ug/l	90
40) Benzene	8.161	78	579329	50.266	ug/l	97

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41) Methacrylonitrile	7.307	41	52250m	52.248	ug/l	
42) 1,2-Dichloroethane	8.234	62	162777	49.957	ug/l	92
43) Isopropyl Acetate	8.270	43	179385	50.481	ug/l #	90
44) Trichloroethene	8.941	130	157765	50.556	ug/l	99
45) 1,2-Dichloropropane	9.215	63	140293	50.494	ug/l	94
46) Dibromomethane	9.301	93	79152	49.805	ug/l	97
47) Bromodichloromethane	9.496	83	192998	50.322	ug/l	99
48) Methyl methacrylate	9.288	41	85732	51.367	ug/l #	86
49) 1,4-Dioxane	9.295	88	20580	1051.967	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	499821	257.094	ug/l	90
52) Toluene	10.246	92	376610	51.344	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	205063	51.643	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	231777	50.972	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	110865	49.716	ug/l	100
56) Ethyl methacrylate	10.508	69	149886	52.313	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	191240	50.442	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	365617	288.482	ug/l	96
59) 2-Hexanone	10.831	43	367662	273.054	ug/l	88
60) Dibromochloromethane	10.983	129	136978	51.232	ug/l	100
61) 1,2-Dibromoethane	11.087	107	106520	50.098	ug/l	100
64) Tetrachloroethene	10.721	164	150284	50.088	ug/l	98
65) Chlorobenzene	11.514	112	393402	50.202	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	145407	50.765	ug/l	98
67) Ethyl Benzene	11.593	91	726420	51.509	ug/l	99
68) m/p-Xylenes	11.703	106	567877	102.890	ug/l	94
69) o-Xylene	12.026	106	266194	51.586	ug/l	94
70) Styrene	12.044	104	453361	52.130	ug/l	96
71) Bromoform	12.209	173	86355	50.649	ug/l #	98
73) Isopropylbenzene	12.331	105	708360	50.569	ug/l	100
74) N-amyl acetate	12.142	43	167341	51.979	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	125886	48.101	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	95893m	50.079	ug/l	
77) Bromobenzene	12.605	156	159105	49.513	ug/l	97
78) n-propylbenzene	12.672	91	868421	50.905	ug/l	99
79) 2-Chlorotoluene	12.757	91	477679	50.047	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	600351	50.672	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	46042	49.843	ug/l	88
82) 4-Chlorotoluene	12.855	91	499239	50.022	ug/l	99
83) tert-Butylbenzene	13.074	119	516128	51.099	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	599065	51.429	ug/l	99
85) sec-Butylbenzene	13.251	105	783315	51.519	ug/l	100
86) p-Isopropyltoluene	13.367	119	659355	51.689	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	326880	50.118	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	322925	50.002	ug/l	99
89) n-Butylbenzene	13.696	91	610774	52.031	ug/l	99
90) Hexachloroethane	13.958	117	120318	49.311	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	284865	50.110	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20375	48.415	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	165664	49.666	ug/l	98
94) Hexachlorobutadiene	15.111	225	99687	48.472	ug/l	99
95) Naphthalene	15.233	128	323343	50.862	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	142130	49.986	ug/l	99

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

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