

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101222\
 Data File : VY010931.D
 Acq On : 12 Oct 2022 10:26
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/13/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 05:33:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	254972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	407139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	363187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122574	47.427	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.860%		
35) Dibromofluoromethane	7.716	113	124189	45.951	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.900%		
50) Toluene-d8	10.179	98	472112	51.080	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.160%		
62) 4-Bromofluorobenzene	12.483	95	160356	43.964	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	89506	50.671	ug/l	98
3) Chloromethane	2.113	50	131442	44.738	ug/l	98
4) Vinyl Chloride	2.247	62	154025	43.537	ug/l	98
5) Bromomethane	2.650	94	101224	40.323	ug/l	100
6) Chloroethane	2.790	64	101939	43.237	ug/l	99
7) Trichlorofluoromethane	3.125	101	215231	49.957	ug/l	94
8) Diethyl Ether	3.527	74	73328	52.905	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	132136	53.495	ug/l	93
10) Methyl Iodide	4.088	142	166302	50.365	ug/l	92
11) Tert butyl alcohol	4.936	59	60330	270.335	ug/l	97
12) 1,1-Dichloroethene	3.869	96	125189	51.933	ug/l	87
13) Acrolein	3.723	56	21627	113.439	ug/l	98
14) Allyl chloride	4.472	41	201267	55.775	ug/l #	89
15) Acrylonitrile	5.155	53	183014	271.038	ug/l	98
16) Acetone	3.942	43	189116	288.117	ug/l #	89
17) Carbon Disulfide	4.192	76	372834	47.859	ug/l	99
18) Methyl Acetate	4.472	43	88600	52.842	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	330467	52.369	ug/l	99
20) Methylene Chloride	4.710	84	155449	54.512	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	144119	51.199	ug/l	90
22) Diisopropyl ether	6.112	45	440936	55.715	ug/l	93
23) Vinyl Acetate	6.051	43	1301061	271.400	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	263968	54.772	ug/l	100
25) 2-Butanone	6.978	43	252047	267.088	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	234072	51.167	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	165732	53.053	ug/l	91
28) Bromochloromethane	7.326	49	100425	55.688	ug/l	92
29) Tetrahydrofuran	7.344	42	148082	266.844	ug/l	89
30) Chloroform	7.502	83	265328	53.346	ug/l	99
31) Cyclohexane	7.777	56	229501	49.611	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	233674	52.153	ug/l	96
36) 1,1-Dichloropropene	7.911	75	202922	52.011	ug/l	98
37) Ethyl Acetate	7.070	43	100078	52.272	ug/l #	94
38) Carbon Tetrachloride	7.899	117	211921	52.151	ug/l	98
39) Methylcyclohexane	9.179	83	247012	51.543	ug/l	93
40) Benzene	8.155	78	594783	52.922	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	59843m	53.191	ug/l	
42) 1,2-Dichloroethane	8.234	62	163117	51.337	ug/l	92
43) Isopropyl Acetate	8.271	43	180866	52.195	ug/l #	89
44) Trichloroethene	8.935	130	157135	51.637	ug/l	95
45) 1,2-Dichloropropane	9.209	63	150445	55.527	ug/l	95
46) Dibromomethane	9.301	93	80185	51.741	ug/l	95
47) Bromodichloromethane	9.496	83	203368	54.377	ug/l	100
48) Methyl methacrylate	9.289	41	83395	51.240	ug/l #	81
49) 1,4-Dioxane	9.295	88	20858	1093.346	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	508374	268.157	ug/l	89
52) Toluene	10.240	92	375196	52.455	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	205709	53.126	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	237167	53.486	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	115011	52.890	ug/l	99
56) Ethyl methacrylate	10.508	69	150694	53.935	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	196693	53.202	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	366251	254.426	ug/l	97
59) 2-Hexanone	10.831	43	364250	277.414	ug/l	87
60) Dibromochloromethane	10.983	129	137807	52.856	ug/l	100
61) 1,2-Dibromoethane	11.087	107	108340	52.253	ug/l	99
64) Tetrachloroethene	10.715	164	150811	52.371	ug/l	96
65) Chlorobenzene	11.514	112	394879	52.503	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	145248	52.835	ug/l	98
67) Ethyl Benzene	11.593	91	724386	53.518	ug/l	99
68) m/p-Xylenes	11.703	106	552618	104.322	ug/l	96
69) o-Xylene	12.026	106	260673	52.634	ug/l	95
70) Styrene	12.044	104	443255	53.105	ug/l	96
71) Bromoform	12.209	173	84482	51.628	ug/l #	99
73) Isopropylbenzene	12.331	105	705136	54.529	ug/l	99
74) N-amyl acetate	12.142	43	161328	54.283	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	128466	53.173	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	97959m	54.992	ug/l	
77) Bromobenzene	12.605	156	156327	52.698	ug/l	100
78) n-propylbenzene	12.672	91	861961	54.730	ug/l	100
79) 2-Chlorotoluene	12.758	91	474621	53.866	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	588776	53.832	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	46420	54.435	ug/l	85
82) 4-Chlorotoluene	12.855	91	492528	53.458	ug/l	100
83) tert-Butylbenzene	13.075	119	509958	54.690	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	580468	53.981	ug/l	99
85) sec-Butylbenzene	13.251	105	766015	54.575	ug/l	100
86) p-Isopropyltoluene	13.367	119	641808	54.502	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	313941	52.141	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	309497	51.911	ug/l	98
89) n-Butylbenzene	13.696	91	603109	55.655	ug/l	99
90) Hexachloroethane	13.959	117	120547	53.518	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	273455	52.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20059	51.632	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	159994	51.959	ug/l	99
94) Hexachlorobutadiene	15.111	225	97638	51.427	ug/l	99
95) Naphthalene	15.233	128	315489	53.758	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	136111	51.854	ug/l	98

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

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