

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010141.D
 Acq On : 20 Aug 2022 07:06
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/22/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 22 02:55:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	203439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	333774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	312702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87944	52.776	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.560%			
35) Dibromofluoromethane	7.710	113	94193	50.083	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.160%			
50) Toluene-d8	10.179	98	338219	47.992	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.980%			
62) 4-Bromofluorobenzene	12.477	95	124739	49.540	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	70862	46.735	ug/l	98
3) Chloromethane	2.107	50	83521	48.958	ug/l	99
4) Vinyl Chloride	2.247	62	88463	47.602	ug/l	98
5) Bromomethane	2.643	94	73592	52.310	ug/l	99
6) Chloroethane	2.784	64	66136	55.763	ug/l	97
7) Trichlorofluoromethane	3.119	101	149850	47.581	ug/l	99
8) Diethyl Ether	3.521	74	57488	53.480	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	90527	46.304	ug/l	100
10) Methyl Iodide	4.082	142	120553	49.924	ug/l	98
11) Tert butyl alcohol	4.942	59	51345	295.251	ug/l	96
12) 1,1-Dichloroethene	3.863	96	90711	48.367	ug/l	99
13) Acrolein	3.722	56	17027	197.932	ug/l	97
14) Allyl chloride	4.472	41	147288	53.099	ug/l	98
15) Acrylonitrile	5.155	53	156217	302.312	ug/l	99
16) Acetone	3.942	43	114622	274.834	ug/l	98
17) Carbon Disulfide	4.186	76	286440	48.127	ug/l	98
18) Methyl Acetate	4.472	43	87981	68.854	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	261412	56.250	ug/l	100
20) Methylene Chloride	4.704	84	152367	66.813	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	108722	51.128	ug/l	98
22) Diisopropyl ether	6.112	45	327821	56.265	ug/l	98
23) Vinyl Acetate	6.051	43	1017700	287.824	ug/l	98
24) 1,1-Dichloroethane	6.009	63	186048	52.990	ug/l	98
25) 2-Butanone	6.978	43	194341	289.685	ug/l	97
26) 2,2-Dichloropropane	6.972	77	123302	39.245	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	124230	52.804	ug/l	99
28) Bromochloromethane	7.325	49	72079	60.414	ug/l	96
29) Tetrahydrofuran	7.344	42	131391	306.257	ug/l	99
30) Chloroform	7.502	83	193952	52.825	ug/l	95
31) Cyclohexane	7.783	56	159905	46.837	ug/l	100
32) 1,1,1-Trichloroethane	7.697	97	162368	50.726	ug/l	99
36) 1,1-Dichloropropene	7.911	75	141220	47.041	ug/l	99
37) Ethyl Acetate	7.069	43	86942	57.044	ug/l	99
38) Carbon Tetrachloride	7.899	117	147915	46.981	ug/l	99
39) Methylcyclohexane	9.179	83	170271	45.995	ug/l	99
40) Benzene	8.155	78	441934	50.048	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	51253m	58.662	ug/l	
42) 1,2-Dichloroethane	8.234	62	120400	53.164	ug/l	100
43) Isopropyl Acetate	8.270	43	154274	56.069	ug/l	99
44) Trichloroethene	8.935	130	119558	47.235	ug/l	100
45) 1,2-Dichloropropane	9.209	63	109137	51.357	ug/l	99
46) Dibromomethane	9.301	93	64848	52.159	ug/l	99
47) Bromodichloromethane	9.496	83	148166	51.206	ug/l	99
48) Methyl methacrylate	9.289	41	70809	57.517	ug/l	97
49) 1,4-Dioxane	9.295	88	14517	1008.120	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	438402	294.492	ug/l	99
52) Toluene	10.240	92	277379	49.545	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	144623	48.905	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	166560	48.285	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	92437	51.628	ug/l	97
56) Ethyl methacrylate	10.508	69	126324	55.943	ug/l	98
57) 1,3-Dichloropropane	10.788	76	154376	52.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	222905	247.483	ug/l	100
59) 2-Hexanone	10.831	43	301815	295.678	ug/l	99
60) Dibromochloromethane	10.983	129	111401	51.053	ug/l	99
61) 1,2-Dibromoethane	11.087	107	89613	51.428	ug/l	99
64) Tetrachloroethene	10.715	164	116243	46.055	ug/l	98
65) Chlorobenzene	11.514	112	304613	48.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	114042	49.054	ug/l	100
67) Ethyl Benzene	11.593	91	533192	48.652	ug/l	100
68) m/p-Xylenes	11.703	106	409327	95.772	ug/l	98
69) o-Xylene	12.026	106	195860	49.217	ug/l	99
70) Styrene	12.044	104	339190	49.948	ug/l	99
71) Bromoform	12.209	173	73308	51.225	ug/l #	99
73) Isopropylbenzene	12.331	105	511996	48.464	ug/l	100
74) N-amyl acetate	12.142	43	130851	51.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	108673	51.426	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	79794m	54.257	ug/l	
77) Bromobenzene	12.605	156	127084	49.453	ug/l	99
78) n-propylbenzene	12.672	91	616782	47.550	ug/l	100
79) 2-Chlorotoluene	12.757	91	355630	48.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	432233	48.901	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	32821	44.824	ug/l	94
82) 4-Chlorotoluene	12.855	91	364898	48.175	ug/l	100
83) tert-Butylbenzene	13.074	119	375055	48.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	433538	49.524	ug/l	100
85) sec-Butylbenzene	13.251	105	556351	47.620	ug/l	100
86) p-Isopropyltoluene	13.367	119	456953	47.448	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	247221	47.776	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	244673	47.223	ug/l	100
89) n-Butylbenzene	13.696	91	419101	46.236	ug/l	100
90) Hexachloroethane	13.958	117	93533	47.634	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	226258	49.259	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18226	56.414	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	135534	49.769	ug/l	99
94) Hexachlorobutadiene	15.111	225	76822	47.516	ug/l	100
95) Naphthalene	15.233	128	302786	51.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	121849	51.343	ug/l	99

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

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