

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010119.D
 Acq On : 19 Aug 2022 22:07
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 02:46:55 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	222391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	350250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	91669	50.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.709	113	96316	48.802	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.600%			
50) Toluene-d8	10.172	98	347451	46.983	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.960%			
62) 4-Bromofluorobenzene	12.477	95	128905	48.786	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	87438	52.752	ug/l	99
3) Chloromethane	2.107	50	88953	47.698	ug/l	98
4) Vinyl Chloride	2.241	62	99044	48.754	ug/l	96
5) Bromomethane	2.643	94	74690	48.566	ug/l	100
6) Chloroethane	2.783	64	73628	56.790	ug/l	95
7) Trichlorofluoromethane	3.113	101	180859	52.534	ug/l	98
8) Diethyl Ether	3.521	74	61733	52.535	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.881	101	104944	49.104	ug/l	99
10) Methyl Iodide	4.076	142	136466	51.697	ug/l	99
11) Tert butyl alcohol	4.948	59	52047	274.543	ug/l	98
12) 1,1-Dichloroethene	3.856	96	101096	49.311	ug/l	99
13) Acrolein	3.722	56	22885	248.806	ug/l	100
14) Allyl chloride	4.466	41	159164	52.491	ug/l	98
15) Acrylonitrile	5.149	53	159820	282.927	ug/l	99
16) Acetone	3.936	43	113848	249.716	ug/l	100
17) Carbon Disulfide	4.180	76	316042	48.576	ug/l	99
18) Methyl Acetate	4.466	43	77952	55.806	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	278801	54.880	ug/l	98
20) Methylene Chloride	4.698	84	157965	62.870	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	117730	50.646	ug/l	97
22) Diisopropyl ether	6.112	45	347026	54.486	ug/l	98
23) Vinyl Acetate	6.045	43	1113432	288.063	ug/l	99
24) 1,1-Dichloroethane	6.002	63	199020	51.854	ug/l	100
25) 2-Butanone	6.978	43	201011	274.093	ug/l	97
26) 2,2-Dichloropropane	6.972	77	158076	46.025	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	132255	51.425	ug/l	97
28) Bromochloromethane	7.325	49	74369	57.022	ug/l	96
29) Tetrahydrofuran	7.338	42	135078	288.019	ug/l	99
30) Chloroform	7.496	83	206930	51.557	ug/l	98
31) Cyclohexane	7.776	56	181690	48.683	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	179973	51.434	ug/l	99
36) 1,1-Dichloropropene	7.911	75	156047	49.535	ug/l	100
37) Ethyl Acetate	7.063	43	91329	57.103	ug/l	99
38) Carbon Tetrachloride	7.892	117	166343	50.349	ug/l	98
39) Methylcyclohexane	9.179	83	197718	50.897	ug/l	99
40) Benzene	8.154	78	477775	51.561	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	41194m	44.931	ug/l	
42) 1,2-Dichloroethane	8.228	62	128828	54.210	ug/l	99
43) Isopropyl Acetate	8.264	43	161374	55.891	ug/l	99
44) Trichloroethene	8.935	130	131622	49.555	ug/l	95
45) 1,2-Dichloropropane	9.209	63	117868	52.857	ug/l	99
46) Dibromomethane	9.301	93	67703	51.893	ug/l	100
47) Bromodichloromethane	9.490	83	158001	52.036	ug/l	98
48) Methyl methacrylate	9.288	41	72815	56.364	ug/l	97
49) 1,4-Dioxane	9.288	88	16339	1081.272	ug/l	95
51) 4-Methyl-2-Pentanone	10.063	43	449872	287.981	ug/l	99
52) Toluene	10.239	92	302109	51.424	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	160556	51.739	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	185005	51.109	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	97905	52.110	ug/l	99
56) Ethyl methacrylate	10.508	69	130666	55.144	ug/l	98
57) 1,3-Dichloropropane	10.788	76	165160	53.326	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	231393	244.822	ug/l	100
59) 2-Hexanone	10.825	43	306569	286.207	ug/l	99
60) Dibromochloromethane	10.983	129	118843	51.902	ug/l	98
61) 1,2-Dibromoethane	11.081	107	94636	51.756	ug/l	100
64) Tetrachloroethene	10.715	164	129442	49.058	ug/l	99
65) Chlorobenzene	11.514	112	327832	49.863	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	121888	50.154	ug/l	99
67) Ethyl Benzene	11.587	91	579323	50.567	ug/l	98
68) m/p-Xylenes	11.696	106	449889	100.693	ug/l	99
69) o-Xylene	12.026	106	213725	51.375	ug/l	100
70) Styrene	12.038	104	368318	51.883	ug/l	99
71) Bromoform	12.202	173	78971	52.787	ug/l #	100
73) Isopropylbenzene	12.324	105	569246	51.370	ug/l	100
74) N-amyl acetate	12.142	43	146677	54.910	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.580	83	114701	51.747	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	76923m	49.865	ug/l	
77) Bromobenzene	12.605	156	136111	50.495	ug/l	99
78) n-propylbenzene	12.666	91	696598	51.199	ug/l	100
79) 2-Chlorotoluene	12.751	91	388123	50.641	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	477843	51.540	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	39227	51.074	ug/l	96
82) 4-Chlorotoluene	12.849	91	399682	50.305	ug/l	99
83) tert-Butylbenzene	13.074	119	419779	51.935	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	473267	51.540	ug/l	100
85) sec-Butylbenzene	13.251	105	623842	50.905	ug/l	99
86) p-Isopropyltoluene	13.367	119	525971	52.067	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	275081	50.680	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	271324	49.924	ug/l	100
89) n-Butylbenzene	13.696	91	485442	51.056	ug/l	100
90) Hexachloroethane	13.958	117	101966	49.506	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	247195	51.307	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18776	55.405	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	146833	51.402	ug/l	100
94) Hexachlorobutadiene	15.111	225	87054	51.333	ug/l	100
95) Naphthalene	15.232	128	313792	50.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	131869	52.973	ug/l	99

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

