

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011833.D
 Acq On : 14 Dec 2022 10:04
 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 12/15/2022
 Supervised By :Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 01:13:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	232355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	354482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	317801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76489	48.055	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.100%		
35) Dibromofluoromethane	7.722	113	80373	51.119	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.240%		
50) Toluene-d8	10.185	98	250953	48.386	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.780%		
62) 4-Bromofluorobenzene	12.483	95	104988	51.193	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48061	46.144	ug/l	97
3) Chloromethane	2.119	50	59951	48.092	ug/l	100
4) Vinyl Chloride	2.260	62	70797	47.495	ug/l	98
5) Bromomethane	2.656	94	50002	50.140	ug/l	100
6) Chloroethane	2.802	64	50921	44.194	ug/l	100
7) Trichlorofluoromethane	3.131	101	141609	44.335	ug/l	99
8) Diethyl Ether	3.534	74	49433	44.184	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	87362	45.818	ug/l	99
10) Methyl Iodide	4.101	142	102013	45.696	ug/l	98
11) Tert butyl alcohol	4.960	59	48153	258.113	ug/l	100
12) 1,1-Dichloroethene	3.875	96	79136	46.020	ug/l	99
13) Acrolein	3.735	56	105443	321.913	ug/l	99
14) Allyl chloride	4.491	41	133086	46.592	ug/l	99
15) Acrylonitrile	5.168	53	140502	233.974	ug/l	98
16) Acetone	3.948	43	166961	263.157	ug/l	94
17) Carbon Disulfide	4.198	76	168017	42.784	ug/l	100
18) Methyl Acetate	4.485	43	67017	44.153	ug/l	100
19) Methyl tert-butyl Ether	5.229	73	259381	48.175	ug/l	98
20) Methylene Chloride	4.716	84	104980	46.013	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	89408	46.260	ug/l	97
22) Diisopropyl ether	6.119	45	308825	49.555	ug/l	97
23) Vinyl Acetate	6.064	43	922979	259.605	ug/l	100
24) 1,1-Dichloroethane	6.021	63	177454	46.858	ug/l	100
25) 2-Butanone	6.984	43	199964	245.024	ug/l	98
26) 2,2-Dichloropropane	6.984	77	169104	47.462	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	112038	47.430	ug/l	99
28) Bromochloromethane	7.338	49	66237	48.043	ug/l	99
29) Tetrahydrofuran	7.350	42	111707	240.487	ug/l	98
30) Chloroform	7.509	83	194714	48.094	ug/l	100
31) Cyclohexane	7.789	56	130830	48.237	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	171649	47.539	ug/l	99
36) 1,1-Dichloropropene	7.923	75	128811	47.886	ug/l	99
37) Ethyl Acetate	7.076	43	74164	47.159	ug/l	99
38) Carbon Tetrachloride	7.905	117	153288	48.512	ug/l	95
39) Methylcyclohexane	9.185	83	141903	46.884	ug/l	99
40) Benzene	8.161	78	386410	48.084	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	44887	56.540	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	121986	49.088	ug/l	100
43) Isopropyl Acetate	8.277	43	138165	48.451	ug/l	100
44) Trichloroethene	8.941	130	107741	47.871	ug/l	100
45) 1,2-Dichloropropane	9.216	63	102000	49.041	ug/l	98
46) Dibromomethane	9.307	93	56491	48.521	ug/l	98
47) Bromodichloromethane	9.496	83	149599	49.737	ug/l	97
48) Methyl methacrylate	9.295	41	62203	49.485	ug/l	98
49) 1,4-Dioxane	9.301	88	15367	952.750	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	400155	254.665	ug/l	100
52) Toluene	10.246	92	252195	49.365	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	146609	48.798	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	165969	49.168	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	84886	49.329	ug/l	98
56) Ethyl methacrylate	10.514	69	111856	50.354	ug/l	99
57) 1,3-Dichloropropane	10.789	76	140732	49.062	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	254733	247.299	ug/l	100
59) 2-Hexanone	10.831	43	296842	264.406	ug/l	100
60) Dibromochloromethane	10.984	129	107340	49.803	ug/l	99
61) 1,2-Dibromoethane	11.093	107	76377	48.993	ug/l	99
64) Tetrachloroethene	10.721	164	108480	48.246	ug/l	99
65) Chlorobenzene	11.520	112	277378	48.440	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	110276	49.641	ug/l	100
67) Ethyl Benzene	11.593	91	494037	48.964	ug/l	99
68) m/p-Xylenes	11.703	106	379966	98.335	ug/l	99
69) o-Xylene	12.032	106	181646	49.319	ug/l	100
70) Styrene	12.044	104	314907	50.096	ug/l	99
71) Bromoform	12.209	173	68027	49.647	ug/l #	99
73) Isopropylbenzene	12.331	105	506420	50.632	ug/l	100
74) N-amyl acetate	12.148	43	120776	50.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	96491	49.536	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	81777m	52.358	ug/l	
77) Bromobenzene	12.611	156	116478	49.877	ug/l	99
78) n-propylbenzene	12.672	91	600381	50.089	ug/l	100
79) 2-Chlorotoluene	12.758	91	337371	49.318	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	421617	49.871	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34395	49.972	ug/l	100
82) 4-Chlorotoluene	12.855	91	344596	48.567	ug/l	100
83) tert-Butylbenzene	13.075	119	380512	51.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	420254	50.487	ug/l	98
85) sec-Butylbenzene	13.258	105	551704	50.324	ug/l	99
86) p-Isopropyltoluene	13.373	119	459622	50.372	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	230458	49.038	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	226551	48.504	ug/l	99
89) n-Butylbenzene	13.703	91	421044	50.760	ug/l	100
90) Hexachloroethane	13.965	117	89888	49.576	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	205757	48.653	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16311	48.029	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	126866	51.434	ug/l	99
94) Hexachlorobutadiene	15.111	225	78284	49.951	ug/l	100
95) Naphthalene	15.239	128	254355	53.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	109831	51.550	ug/l	98

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

