

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022223\
 Data File : VY012683.D
 Acq On : 22 Feb 2023 09:57
 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 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 14:04:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	114785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	174757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	151061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65294	48.164	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.320%		
35) Dibromofluoromethane	7.716	113	57567	48.770	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.540%		
50) Toluene-d8	10.185	98	222342	50.279	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.560%		
62) 4-Bromofluorobenzene	12.483	95	71776	50.721	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48376	40.993	ug/l	96
3) Chloromethane	2.119	50	64541	45.542	ug/l	96
4) Vinyl Chloride	2.259	62	61572	47.220	ug/l	99
5) Bromomethane	2.656	94	38531	53.956	ug/l	97
6) Chloroethane	2.802	64	39699	47.828	ug/l	99
7) Trichlorofluoromethane	3.131	101	101907	48.484	ug/l	99
8) Diethyl Ether	3.533	74	33807	44.926	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	58400	46.494	ug/l	99
10) Methyl Iodide	4.100	142	78947	48.001	ug/l	99
11) Tert butyl alcohol	4.954	59	26706	180.088	ug/l	100
12) 1,1-Dichloroethene	3.881	96	55908	46.106	ug/l	93
13) Acrolein	3.735	56	39833	212.595	ug/l	97
14) Allyl chloride	4.485	41	109127	46.369	ug/l	93
15) Acrylonitrile	5.161	53	87561	218.712	ug/l	98
16) Acetone	3.948	43	114724	259.345	ug/l	99
17) Carbon Disulfide	4.204	76	175986	43.127	ug/l	100
18) Methyl Acetate	4.478	43	60993	42.802	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	156264	47.908	ug/l	99
20) Methylene Chloride	4.722	84	64653	46.395	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	63055	47.805	ug/l	96
22) Diisopropyl ether	6.124	45	224583	51.140	ug/l	99
23) Vinyl Acetate	6.064	43	671100	246.739	ug/l	100
24) 1,1-Dichloroethane	6.021	63	119673	49.144	ug/l	99
25) 2-Butanone	6.984	43	140947	240.067	ug/l	99
26) 2,2-Dichloropropane	6.984	77	107524	50.618	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	70850	49.093	ug/l	99
28) Bromochloromethane	7.338	49	50244	51.526	ug/l	99
29) Tetrahydrofuran	7.350	42	79942	223.025	ug/l	98
30) Chloroform	7.508	83	117848	49.945	ug/l	96
31) Cyclohexane	7.789	56	107164	45.500	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	106832	50.015	ug/l	98
36) 1,1-Dichloropropene	7.923	75	92041	49.194	ug/l	99
37) Ethyl Acetate	7.076	43	55174	43.703	ug/l	99
38) Carbon Tetrachloride	7.905	117	99308	51.333	ug/l	97
39) Methylcyclohexane	9.185	83	107949	50.017	ug/l	98
40) Benzene	8.161	78	257530	49.311	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	33034m	53.724	ug/l	
42) 1,2-Dichloroethane	8.240	62	80511	49.715	ug/l	98
43) Isopropyl Acetate	8.277	43	101662	46.599	ug/l	98
44) Trichloroethene	8.941	130	66760	49.442	ug/l	92
45) 1,2-Dichloropropane	9.221	63	66635	49.602	ug/l	99
46) Dibromomethane	9.307	93	36460	49.166	ug/l	99
47) Bromodichloromethane	9.496	83	90206	50.528	ug/l	99
48) Methyl methacrylate	9.295	41	49193	48.322	ug/l	95
49) 1,4-Dioxane	9.301	88	8322	738.377	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	275495	234.101	ug/l	98
52) Toluene	10.246	92	157637	50.942	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	93740	50.248	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	105239	49.853	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	47474	47.133	ug/l	98
56) Ethyl methacrylate	10.514	69	66787	48.553	ug/l	96
57) 1,3-Dichloropropane	10.794	76	84104	47.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	165448	226.929	ug/l	100
59) 2-Hexanone	10.831	43	204738	245.411	ug/l	99
60) Dibromochloromethane	10.989	129	59724	48.941	ug/l	99
61) 1,2-Dibromoethane	11.093	107	45444	47.092	ug/l	100
64) Tetrachloroethene	10.721	164	55830	50.817	ug/l	98
65) Chlorobenzene	11.520	112	162460	50.152	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	61264	51.032	ug/l	98
67) Ethyl Benzene	11.593	91	302307	52.209	ug/l	97
68) m/p-Xylenes	11.703	106	230079	104.163	ug/l	99
69) o-Xylene	12.032	106	106634	52.121	ug/l	98
70) Styrene	12.044	104	182180	53.129	ug/l	99
71) Bromoform	12.209	173	37488	48.937	ug/l #	100
73) Isopropylbenzene	12.331	105	289200	52.887	ug/l	100
74) N-amyl acetate	12.148	43	85859	47.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	56131	45.654	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	47031m	50.983	ug/l	
77) Bromobenzene	12.611	156	65775	50.201	ug/l	97
78) n-propylbenzene	12.672	91	353028	51.614	ug/l	98
79) 2-Chlorotoluene	12.757	91	195522	51.455	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	237407	51.974	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	20238	46.477	ug/l	99
82) 4-Chlorotoluene	12.861	91	200473	50.868	ug/l	100
83) tert-Butylbenzene	13.081	119	210272	53.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	231801	51.912	ug/l	100
85) sec-Butylbenzene	13.257	105	309191	52.101	ug/l	100
86) p-Isopropyltoluene	13.373	119	256535	52.489	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	128930	50.239	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	129736	49.852	ug/l	99
89) n-Butylbenzene	13.702	91	244109	52.153	ug/l	100
90) Hexachloroethane	13.965	117	49839	50.249	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	114653	50.024	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9074	44.898	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	69516	47.957	ug/l	99
94) Hexachlorobutadiene	15.117	225	42762	48.881	ug/l	98
95) Naphthalene	15.239	128	134367	45.875	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	60266	46.971	ug/l	99

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

