

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011807.D
 Acq On : 13 Dec 2022 20:20
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 22:20:26 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	226840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	353809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	319192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77908	50.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.740%			
35) Dibromofluoromethane	7.722	113	80985	51.647	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.300%			
50) Toluene-d8	10.179	98	254398	49.263	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.520%			
62) 4-Bromofluorobenzene	12.483	95	106840	52.294	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47640	46.974	ug/l	96
3) Chloromethane	2.113	50	58339	47.922	ug/l	96
4) Vinyl Chloride	2.253	62	69748	47.966	ug/l	98
5) Bromomethane	2.650	94	50518	52.048	ug/l	96
6) Chloroethane	2.796	64	49585	44.081	ug/l	98
7) Trichlorofluoromethane	3.125	101	138444	44.398	ug/l	99
8) Diethyl Ether	3.528	74	50215	45.975	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	83401	44.804	ug/l	99
10) Methyl Iodide	4.094	142	98804	45.334	ug/l	98
11) Tert butyl alcohol	4.942	59	54222	297.124	ug/l	100
12) 1,1-Dichloroethene	3.875	96	76007	45.275	ug/l	93
13) Acrolein	3.729	56	68253	213.439	ug/l	99
14) Allyl chloride	4.479	41	129808	46.550	ug/l	100
15) Acrylonitrile	5.161	53	144883	247.135	ug/l	99
16) Acetone	3.942	43	131105	211.666	ug/l	99
17) Carbon Disulfide	4.198	76	161226	42.053	ug/l	99
18) Methyl Acetate	4.479	43	68948	46.627	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	261853	49.817	ug/l	99
20) Methylene Chloride	4.716	84	114428	52.149	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	86203	45.686	ug/l	97
22) Diisopropyl ether	6.119	45	300500	49.391	ug/l	98
23) Vinyl Acetate	6.058	43	918898	264.741	ug/l	100
24) 1,1-Dichloroethane	6.021	63	173301	46.874	ug/l	98
25) 2-Butanone	6.984	43	188029	236.001	ug/l	99
26) 2,2-Dichloropropane	6.984	77	162011	46.577	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	110187	47.781	ug/l	98
28) Bromochloromethane	7.332	49	65979	49.019	ug/l	99
29) Tetrahydrofuran	7.344	42	114652	252.828	ug/l	99
30) Chloroform	7.508	83	191043	48.334	ug/l	99
31) Cyclohexane	7.783	56	127290	48.062	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	167306	47.463	ug/l	99
36) 1,1-Dichloropropene	7.917	75	125811	46.860	ug/l	99
37) Ethyl Acetate	7.070	43	78770	50.183	ug/l	99
38) Carbon Tetrachloride	7.899	117	151744	48.115	ug/l	98
39) Methylcyclohexane	9.185	83	141014	46.678	ug/l	99
40) Benzene	8.161	78	380037	47.381	ug/l	99

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41) Methacrylonitrile	7.313	41	42336m	53.428	ug/l	
42) 1,2-Dichloroethane	8.234	62	120063	48.406	ug/l	99
43) Isopropyl Acetate	8.271	43	142036	49.903	ug/l	99
44) Trichloroethene	8.941	130	105815	47.105	ug/l	99
45) 1,2-Dichloropropane	9.216	63	99434	47.898	ug/l	98
46) Dibromomethane	9.307	93	57005	49.055	ug/l	98
47) Bromodichloromethane	9.496	83	147838	49.245	ug/l	99
48) Methyl methacrylate	9.295	41	63630	50.716	ug/l	98
49) 1,4-Dioxane	9.295	88	16589	1030.470	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	408319	260.355	ug/l	100
52) Toluene	10.246	92	247833	48.604	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	147232	49.099	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	161968	48.074	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	86665	50.458	ug/l	98
56) Ethyl methacrylate	10.508	69	115489	52.088	ug/l	100
57) 1,3-Dichloropropane	10.788	76	142407	49.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	264774	257.536	ug/l	99
59) 2-Hexanone	10.831	43	287584	256.647	ug/l	99
60) Dibromochloromethane	10.983	129	106498	49.506	ug/l	100
61) 1,2-Dibromoethane	11.087	107	77302	49.680	ug/l	99
64) Tetrachloroethene	10.721	164	107262	47.496	ug/l	98
65) Chlorobenzene	11.514	112	273674	47.585	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	109645	49.142	ug/l	98
67) Ethyl Benzene	11.593	91	490200	48.372	ug/l	100
68) m/p-Xylenes	11.703	106	375547	96.768	ug/l	100
69) o-Xylene	12.032	106	182337	49.291	ug/l	99
70) Styrene	12.044	104	313994	49.733	ug/l	99
71) Bromoform	12.209	173	69995	50.861	ug/l #	99
73) Isopropylbenzene	12.331	105	498549	48.547	ug/l	100
74) N-amyl acetate	12.142	43	121889	49.366	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	97455	48.728	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	80344m	50.101	ug/l	
77) Bromobenzene	12.611	156	116383	48.538	ug/l	100
78) n-propylbenzene	12.672	91	591752	48.083	ug/l	100
79) 2-Chlorotoluene	12.758	91	336612	47.925	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	421108	48.513	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	34382	48.651	ug/l	98
82) 4-Chlorotoluene	12.855	91	342314	46.989	ug/l	99
83) tert-Butylbenzene	13.075	119	372179	49.241	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	416133	48.690	ug/l	99
85) sec-Butylbenzene	13.251	105	545405	48.454	ug/l	99
86) p-Isopropyltoluene	13.367	119	459246	49.020	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	229031	47.465	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	228515	47.650	ug/l	100
89) n-Butylbenzene	13.696	91	416048	48.852	ug/l	99
90) Hexachloroethane	13.959	117	88854	47.729	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	208134	47.933	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17324	49.683	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	123879	48.915	ug/l	98
94) Hexachlorobutadiene	15.111	225	75360	46.833	ug/l	100
95) Naphthalene	15.239	128	256022	52.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	107766	49.263	ug/l	99

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

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