

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012906.D
 Acq On : 09 Mar 2023 18:00
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/10/2023
 Supervised By :Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 00:33:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	97453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	147531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	134937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	68778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44743	46.242	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.480%		
35) Dibromofluoromethane	7.716	113	43548	48.911	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.820%		
50) Toluene-d8	10.179	98	152006	46.700	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.400%		
62) 4-Bromofluorobenzene	12.477	95	54147	49.286	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43063	44.832	ug/l	100
3) Chloromethane	2.113	50	49404	43.023	ug/l	99
4) Vinyl Chloride	2.253	62	50620	48.072	ug/l	98
5) Bromomethane	2.650	94	33224	51.925	ug/l	92
6) Chloroethane	2.796	64	31689	50.249	ug/l	99
7) Trichlorofluoromethane	3.125	101	90683	51.851	ug/l	98
8) Diethyl Ether	3.527	74	30732	50.144	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	53100	50.465	ug/l	99
10) Methyl Iodide	4.088	142	66688	48.642	ug/l	97
11) Tert butyl alcohol	4.954	59	26969	241.695	ug/l	99
12) 1,1-Dichloroethene	3.869	96	50762	50.583	ug/l	98
13) Acrolein	3.723	56	29259	172.599	ug/l	99
14) Allyl chloride	4.472	41	87728	47.325	ug/l	95
15) Acrylonitrile	5.161	53	79445	246.014	ug/l	98
16) Acetone	3.942	43	89337	235.232	ug/l	100
17) Carbon Disulfide	4.192	76	161745	47.351	ug/l	98
18) Methyl Acetate	4.472	43	55787	49.326	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	134636	51.940	ug/l	95
20) Methylene Chloride	4.716	84	60695	52.658	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	56094	51.436	ug/l	96
22) Diisopropyl ether	6.118	45	170683	50.694	ug/l	100
23) Vinyl Acetate	6.058	43	519085	248.126	ug/l	100
24) 1,1-Dichloroethane	6.009	63	97342	50.736	ug/l	99
25) 2-Butanone	6.984	43	113573	241.443	ug/l	99
26) 2,2-Dichloropropane	6.978	77	87920	51.596	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	63036	53.913	ug/l	95
28) Bromochloromethane	7.332	49	35557	50.713	ug/l	95
29) Tetrahydrofuran	7.344	42	69573	245.231	ug/l	96
30) Chloroform	7.502	83	101431	53.523	ug/l	100
31) Cyclohexane	7.783	56	86815	46.849	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	90781	52.970	ug/l	99
36) 1,1-Dichloropropene	7.917	75	77255	51.779	ug/l	99
37) Ethyl Acetate	7.070	43	45346	48.220	ug/l	99
38) Carbon Tetrachloride	7.899	117	84770	55.018	ug/l	99
39) Methylcyclohexane	9.185	83	93406	52.658	ug/l	98
40) Benzene	8.161	78	223837	53.035	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25958m	51.233	ug/l	
42) 1,2-Dichloroethane	8.234	62	68495	53.980	ug/l	100
43) Isopropyl Acetate	8.271	43	84130	50.143	ug/l	98
44) Trichloroethene	8.935	130	60100	54.010	ug/l	99
45) 1,2-Dichloropropane	9.215	63	55690	52.211	ug/l	98
46) Dibromomethane	9.307	93	32918	54.171	ug/l	99
47) Bromodichloromethane	9.496	83	77665	54.236	ug/l	97
48) Methyl methacrylate	9.289	41	40870	52.866	ug/l	98
49) 1,4-Dioxane	9.295	88	8660	1102.395	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	238023	261.536	ug/l	99
52) Toluene	10.240	92	139395	54.765	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	81126	54.011	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	90980	53.515	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	45931	54.275	ug/l	99
56) Ethyl methacrylate	10.508	69	60388	53.516	ug/l	98
57) 1,3-Dichloropropane	10.788	76	77123	53.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	159010	268.432	ug/l	99
59) 2-Hexanone	10.831	43	172796	261.241	ug/l	99
60) Dibromochloromethane	10.983	129	56318	54.670	ug/l	99
61) 1,2-Dibromoethane	11.087	107	43763	53.684	ug/l	99
64) Tetrachloroethene	10.721	164	51833	52.759	ug/l	97
65) Chlorobenzene	11.514	112	148737	52.520	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	55995	53.434	ug/l	99
67) Ethyl Benzene	11.593	91	266713	53.567	ug/l	98
68) m/p-Xylenes	11.703	106	209107	109.169	ug/l	100
69) o-Xylene	12.026	106	97635	54.616	ug/l	98
70) Styrene	12.044	104	164811	55.246	ug/l	99
71) Bromoform	12.209	173	37350	54.665	ug/l #	98
73) Isopropylbenzene	12.331	105	260190	53.379	ug/l	100
74) N-amyl acetate	12.142	43	74201	48.382	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	55825	50.948	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	39052m	47.548	ug/l	
77) Bromobenzene	12.605	156	62258	52.577	ug/l	96
78) n-propylbenzene	12.666	91	319402	53.149	ug/l	100
79) 2-Chlorotoluene	12.758	91	177074	53.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	215934	53.680	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20321	51.266	ug/l	99
82) 4-Chlorotoluene	12.855	91	184023	53.226	ug/l	98
83) tert-Butylbenzene	13.075	119	188878	54.400	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	212866	54.116	ug/l	99
85) sec-Butylbenzene	13.251	105	281534	53.152	ug/l	99
86) p-Isopropyltoluene	13.367	119	233832	54.015	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	120906	52.940	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	120509	51.701	ug/l	98
89) n-Butylbenzene	13.696	91	220157	53.124	ug/l	99
90) Hexachloroethane	13.959	117	46420	51.484	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	109262	52.925	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9007	50.863	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	64900	51.058	ug/l	100
94) Hexachlorobutadiene	15.111	225	38879	50.148	ug/l	99
95) Naphthalene	15.233	128	130198	51.114	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	57806	51.133	ug/l	98

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

