

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022323\
 Data File : VY012696.D
 Acq On : 23 Feb 2023 09:35
 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 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 23:50:03 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	118868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	182497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	161529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	65967	46.989	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.980%		
35) Dibromofluoromethane	7.722	113	61226	49.670	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.340%		
50) Toluene-d8	10.179	98	232156	50.272	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.540%		
62) 4-Bromofluorobenzene	12.483	95	74446	50.376	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55316	45.264	ug/l	99
3) Chloromethane	2.113	50	63706	43.222	ug/l	97
4) Vinyl Chloride	2.253	62	62197	46.061	ug/l	99
5) Bromomethane	2.656	94	36330	49.127	ug/l	98
6) Chloroethane	2.802	64	38070	44.290	ug/l	96
7) Trichlorofluoromethane	3.131	101	103963	47.763	ug/l	99
8) Diethyl Ether	3.534	74	36698	47.092	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	63132	48.535	ug/l	99
10) Methyl Iodide	4.094	142	78526	46.105	ug/l	98
11) Tert butyl alcohol	4.954	59	32535	211.859	ug/l	99
12) 1,1-Dichloroethene	3.875	96	58681	46.730	ug/l	98
13) Acrolein	3.729	56	43672	225.078	ug/l	98
14) Allyl chloride	4.485	41	109316	44.854	ug/l	96
15) Acrylonitrile	5.161	53	103362	249.312	ug/l	99
16) Acetone	3.948	43	129034	281.675	ug/l	96
17) Carbon Disulfide	4.198	76	182845	43.269	ug/l	100
18) Methyl Acetate	4.479	43	68823	46.638	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	166551	49.308	ug/l	100
20) Methylene Chloride	4.716	84	69183	48.168	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	66812	48.914	ug/l	96
22) Diisopropyl ether	6.119	45	230498	50.684	ug/l	98
23) Vinyl Acetate	6.058	43	709369	251.850	ug/l	99
24) 1,1-Dichloroethane	6.015	63	122105	48.420	ug/l	99
25) 2-Butanone	6.984	43	164432	270.448	ug/l	98
26) 2,2-Dichloropropane	6.984	77	106902	48.597	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	75101	50.251	ug/l	97
28) Bromochloromethane	7.338	49	51868	51.365	ug/l	96
29) Tetrahydrofuran	7.350	42	93729	252.507	ug/l	100
30) Chloroform	7.508	83	121873	49.877	ug/l	94
31) Cyclohexane	7.789	56	109856	45.041	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	106981	48.364	ug/l	99
36) 1,1-Dichloropropene	7.917	75	94310	48.269	ug/l	99
37) Ethyl Acetate	7.076	43	62334	47.281	ug/l	99
38) Carbon Tetrachloride	7.905	117	99121	49.063	ug/l	100
39) Methylcyclohexane	9.185	83	112421	49.879	ug/l	98
40) Benzene	8.161	78	270579	49.612	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	32008m	49.848	ug/l	
42) 1,2-Dichloroethane	8.240	62	82863	48.997	ug/l	99
43) Isopropyl Acetate	8.271	43	112052	49.184	ug/l	98
44) Trichloroethene	8.941	130	69804	49.504	ug/l	100
45) 1,2-Dichloropropane	9.216	63	71197	50.750	ug/l	97
46) Dibromomethane	9.307	93	39377	50.847	ug/l	99
47) Bromodichloromethane	9.496	83	94527	50.703	ug/l	98
48) Methyl methacrylate	9.295	41	53790	50.597	ug/l	98
49) 1,4-Dioxane	9.301	88	9992	845.999	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	317768	258.570	ug/l	99
52) Toluene	10.246	92	167525	51.842	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	99908	51.283	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	113871	51.655	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	55117	52.400	ug/l	96
56) Ethyl methacrylate	10.508	69	76122	52.992	ug/l	99
57) 1,3-Dichloropropane	10.788	76	94563	51.150	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	191508	252.060	ug/l	99
59) 2-Hexanone	10.831	43	241520	277.222	ug/l	98
60) Dibromochloromethane	10.983	129	66273	52.005	ug/l	98
61) 1,2-Dibromoethane	11.093	107	51712	51.315	ug/l	100
64) Tetrachloroethene	10.721	164	58532	49.824	ug/l	96
65) Chlorobenzene	11.520	112	175660	50.712	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	66473	51.783	ug/l	100
67) Ethyl Benzene	11.593	91	321325	51.897	ug/l	99
68) m/p-Xylenes	11.703	106	245487	103.936	ug/l	98
69) o-Xylene	12.032	106	113696	51.972	ug/l	99
70) Styrene	12.044	104	193785	52.851	ug/l	99
71) Bromoform	12.209	173	42195	51.512	ug/l #	100
73) Isopropylbenzene	12.331	105	304772	50.757	ug/l	99
74) N-amyl acetate	12.142	43	99302	50.308	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	67349	49.885	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	46337m	45.744	ug/l	
77) Bromobenzene	12.611	156	71269	49.535	ug/l	98
78) n-propylbenzene	12.672	91	379462	50.523	ug/l	100
79) 2-Chlorotoluene	12.758	91	206350	49.454	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	247772	49.398	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	24853	51.977	ug/l	93
82) 4-Chlorotoluene	12.855	91	212365	49.073	ug/l	99
83) tert-Butylbenzene	13.075	119	214571	50.098	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	245929	50.156	ug/l	99
85) sec-Butylbenzene	13.257	105	327111	50.197	ug/l	100
86) p-Isopropyltoluene	13.373	119	268587	50.046	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	139029	49.336	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	138164	48.348	ug/l	99
89) n-Butylbenzene	13.696	91	258202	50.236	ug/l	99
90) Hexachloroethane	13.965	117	51548	47.329	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	124260	49.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10528	47.439	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	73779	46.352	ug/l	99
94) Hexachlorobutadiene	15.117	225	43460	45.241	ug/l	100
95) Naphthalene	15.239	128	153420	47.702	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	66409	47.136	ug/l	98

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

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