

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012232.D
 Acq On : 17 Jan 2023 18:46
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/18/2023
 Supervised By :Mahesh Dadoda 01/18/2023

Quant Time: Jan 18 00:34:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	248817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	392808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	355026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	101553	49.175	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.360%		
35) Dibromofluoromethane	7.716	113	98647	47.428	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.860%		
50) Toluene-d8	10.179	98	351331	48.633	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.260%		
62) 4-Bromofluorobenzene	12.483	95	131872	44.976	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	87282	40.140	ug/l	97
3) Chloromethane	2.113	50	102101	50.864	ug/l	98
4) Vinyl Chloride	2.253	62	112734	48.116	ug/l	99
5) Bromomethane	2.650	94	83567	46.132	ug/l	99
6) Chloroethane	2.790	64	73406	48.040	ug/l	97
7) Trichlorofluoromethane	3.125	101	193361	42.285	ug/l	99
8) Diethyl Ether	3.528	74	72525	53.300	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.900	101	104607	47.002	ug/l	96
10) Methyl Iodide	4.095	142	155755	46.052	ug/l	100
11) Tert butyl alcohol	4.948	59	73772	304.085	ug/l	99
12) 1,1-Dichloroethene	3.875	96	112168	49.084	ug/l	97
13) Acrolein	3.729	56	21299	230.345	ug/l	100
14) Allyl chloride	4.479	41	164344	58.162	ug/l	96
15) Acrylonitrile	5.161	53	178830	300.883	ug/l	100
16) Acetone	3.942	43	189227	273.116	ug/l	99
17) Carbon Disulfide	4.192	76	349531	49.449	ug/l	100
18) Methyl Acetate	4.479	43	102232	65.941	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	342644	53.787	ug/l	97
20) Methylene Chloride	4.716	84	153010	53.253	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	129776	50.890	ug/l	94
22) Diisopropyl ether	6.119	45	336465	59.728	ug/l	96
23) Vinyl Acetate	6.058	43	1048060	298.570	ug/l	95
24) 1,1-Dichloroethane	6.015	63	214881	54.995	ug/l	97
25) 2-Butanone	6.984	43	235476	307.856	ug/l	94
26) 2,2-Dichloropropane	6.984	77	197050	46.456	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	147903	52.801	ug/l	95
28) Bromochloromethane	7.332	49	46997	55.075	ug/l	88
29) Tetrahydrofuran	7.344	42	138697	330.115	ug/l	91
30) Chloroform	7.509	83	234582	50.859	ug/l	97
31) Cyclohexane	7.783	56	174431	48.082	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	210461	46.090	ug/l	98
36) 1,1-Dichloropropene	7.917	75	166843	47.199	ug/l	98
37) Ethyl Acetate	7.070	43	91808	58.915	ug/l #	96
38) Carbon Tetrachloride	7.899	117	192862	42.245	ug/l	96
39) Methylcyclohexane	9.185	83	200929	46.514	ug/l	95
40) Benzene	8.161	78	506450	49.640	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	60138m	65.655	ug/l	
42) 1,2-Dichloroethane	8.234	62	155221	47.789	ug/l	98
43) Isopropyl Acetate	8.271	43	171018	58.988	ug/l	96
44) Trichloroethene	8.941	130	147229	48.281	ug/l	98
45) 1,2-Dichloropropane	9.216	63	118147	55.497	ug/l	99
46) Dibromomethane	9.307	93	74341	52.162	ug/l	97
47) Bromodichloromethane	9.496	83	181627	50.628	ug/l	96
48) Methyl methacrylate	9.289	41	78690	58.907	ug/l	93
49) 1,4-Dioxane	9.295	88	22519	1159.584	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	470064	304.063	ug/l	97
52) Toluene	10.246	92	328248	48.321	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	190887	50.869	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	209521	51.845	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	107402	53.042	ug/l	96
56) Ethyl methacrylate	10.508	69	149812	56.395	ug/l	94
57) 1,3-Dichloropropane	10.789	76	177341	53.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	236157	268.668	ug/l	95
59) 2-Hexanone	10.831	43	342322	290.841	ug/l	95
60) Dibromochloromethane	10.984	129	135520	50.461	ug/l	99
61) 1,2-Dibromoethane	11.087	107	102741	52.583	ug/l	100
64) Tetrachloroethene	10.721	164	160674	49.597	ug/l	96
65) Chlorobenzene	11.514	112	351990	48.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	134804	49.166	ug/l	99
67) Ethyl Benzene	11.593	91	622966	47.986	ug/l	99
68) m/p-Xylenes	11.703	106	487593	94.992	ug/l	98
69) o-Xylene	12.026	106	234956	47.923	ug/l	98
70) Styrene	12.044	104	398418	48.637	ug/l	99
71) Bromoform	12.209	173	89729	51.223	ug/l #	98
73) Isopropylbenzene	12.331	105	606457	48.724	ug/l	99
74) N-amyl acetate	12.142	43	143058	58.632	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	111708	56.979	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	94753m	59.697	ug/l	
77) Bromobenzene	12.611	156	151197	50.482	ug/l	95
78) n-propylbenzene	12.672	91	707545	48.578	ug/l	100
79) 2-Chlorotoluene	12.758	91	409588	49.737	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	519062	47.972	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	42688	55.415	ug/l	97
82) 4-Chlorotoluene	12.855	91	420618	48.625	ug/l	98
83) tert-Butylbenzene	13.075	119	439976	46.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	508273	47.633	ug/l	100
85) sec-Butylbenzene	13.251	105	626156	46.635	ug/l	98
86) p-Isopropyltoluene	13.367	119	543623	46.340	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	281853	47.316	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	278262	46.840	ug/l	99
89) n-Butylbenzene	13.697	91	471376	46.367	ug/l	99
90) Hexachloroethane	13.959	117	99803	47.126	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	252827	47.567	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21293	52.554	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	152228	44.698	ug/l	99
94) Hexachlorobutadiene	15.111	225	86267	42.071	ug/l	100
95) Naphthalene	15.239	128	330068	49.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	132141	45.089	ug/l	98

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

