

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012624.D
 Acq On : 15 Feb 2023 19:08
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

Quant Time: Feb 16 01:02:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	127881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	189065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89257	54.888	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.780%			
35) Dibromofluoromethane	7.716	113	76699	55.705	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.400%			
50) Toluene-d8	10.179	98	311950	54.432	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.860%			
62) 4-Bromofluorobenzene	12.477	95	110571	55.313	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	39396	43.115	ug/l	99
3) Chloromethane	2.113	50	40026	40.171	ug/l	96
4) Vinyl Chloride	2.247	62	54368	43.798	ug/l	97
5) Bromomethane	2.644	94	45342	50.039	ug/l	98
6) Chloroethane	2.790	64	40559	46.941	ug/l	97
7) Trichlorofluoromethane	3.125	101	121446	47.598	ug/l	99
8) Diethyl Ether	3.527	74	39484	52.188	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	63019	48.911	ug/l	100
10) Methyl Iodide	4.082	142	77290	46.272	ug/l	100
11) Tert butyl alcohol	4.948	59	44827	286.841	ug/l	98
12) 1,1-Dichloroethene	3.869	96	59817	46.986	ug/l	97
13) Acrolein	3.723	56	35135	183.788	ug/l	97
14) Allyl chloride	4.472	41	74712	48.132	ug/l	98
15) Acrylonitrile	5.161	53	99760	285.804	ug/l	100
16) Acetone	3.942	43	91310	233.295	ug/l	96
17) Carbon Disulfide	4.192	76	134642	40.775	ug/l	98
18) Methyl Acetate	4.472	43	49592	52.716	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	211104	56.668	ug/l	98
20) Methylene Chloride	4.710	84	80835	55.771	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	67669	48.738	ug/l	98
22) Diisopropyl ether	6.112	45	168546	53.401	ug/l	96
23) Vinyl Acetate	6.058	43	534199	280.756	ug/l	99
24) 1,1-Dichloroethane	6.015	63	114423	50.713	ug/l	98
25) 2-Butanone	6.978	43	115818	266.706	ug/l	99
26) 2,2-Dichloropropane	6.978	77	122747	49.514	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	83789	52.003	ug/l	98
28) Bromochloromethane	7.332	49	45677	55.692	ug/l	98
29) Tetrahydrofuran	7.344	42	68742	292.812	ug/l	96
30) Chloroform	7.502	83	142466	52.371	ug/l	98
31) Cyclohexane	7.783	56	83368	44.341	ug/l	99
32) 1,1,1-Trichloroethane	7.697	97	134941	51.118	ug/l	99
36) 1,1-Dichloropropene	7.917	75	91742	49.231	ug/l	99
37) Ethyl Acetate	7.070	43	46267	55.024	ug/l	98
38) Carbon Tetrachloride	7.899	117	127372	50.919	ug/l	96
39) Methylcyclohexane	9.179	83	108166	48.238	ug/l	97
40) Benzene	8.155	78	278411	50.584	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19447m	42.214	ug/l	
42) 1,2-Dichloroethane	8.234	62	96579	54.138	ug/l	100
43) Isopropyl Acetate	8.271	43	89861	57.639	ug/l	99
44) Trichloroethene	8.935	130	87310	52.111	ug/l	99
45) 1,2-Dichloropropane	9.215	63	62169	52.091	ug/l	98
46) Dibromomethane	9.301	93	44027	55.714	ug/l	100
47) Bromodichloromethane	9.496	83	111270	54.305	ug/l	99
48) Methyl methacrylate	9.289	41	41511	58.251	ug/l	97
49) 1,4-Dioxane	9.295	88	14153	1297.387	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	253997	301.967	ug/l	100
52) Toluene	10.240	92	194244	52.042	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	114200	55.311	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	120477	53.921	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	65745	56.938	ug/l	97
56) Ethyl methacrylate	10.508	69	87280	60.164	ug/l	99
57) 1,3-Dichloropropane	10.788	76	106216	56.997	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	187953	288.245	ug/l	98
59) 2-Hexanone	10.831	43	185617	292.005	ug/l	99
60) Dibromochloromethane	10.983	129	88591	57.557	ug/l	97
61) 1,2-Dibromoethane	11.087	107	62287	57.571	ug/l	100
64) Tetrachloroethene	10.715	164	102821	54.396	ug/l	98
65) Chlorobenzene	11.514	112	221314	51.536	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	90965	54.054	ug/l	98
67) Ethyl Benzene	11.593	91	382281	50.706	ug/l	99
68) m/p-Xylenes	11.703	106	307254	102.100	ug/l	99
69) o-Xylene	12.026	106	150251	52.427	ug/l	100
70) Styrene	12.044	104	257443	52.967	ug/l	99
71) Bromoform	12.203	173	60826	57.184	ug/l #	98
73) Isopropylbenzene	12.325	105	404548	48.902	ug/l	98
74) N-amyl acetate	12.142	43	80055	53.459	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	69543	51.989	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	58002m	50.774	ug/l	
77) Bromobenzene	12.605	156	101419	50.581	ug/l	96
78) n-propylbenzene	12.666	91	465510	48.890	ug/l	100
79) 2-Chlorotoluene	12.751	91	264020	48.845	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	351590	49.371	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	26526	52.363	ug/l	99
82) 4-Chlorotoluene	12.855	91	275058	48.510	ug/l	100
83) tert-Butylbenzene	13.075	119	314711	50.395	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	350199	49.978	ug/l	100
85) sec-Butylbenzene	13.251	105	443279	49.617	ug/l	99
86) p-Isopropyltoluene	13.367	119	389689	50.280	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	202402	50.734	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	198914	49.776	ug/l	99
89) n-Butylbenzene	13.696	91	330728	49.929	ug/l	100
90) Hexachloroethane	13.959	117	69151	48.609	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	184238	51.336	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14621	54.927	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	120179	54.044	ug/l	99
94) Hexachlorobutadiene	15.111	225	71921	52.062	ug/l	99
95) Naphthalene	15.233	128	254506	59.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	107420	55.806	ug/l	99

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

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