

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021023\
 Data File : VY012570.D
 Acq On : 10 Feb 2023 09:43
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023

Quant Time: Feb 10 12:25:13 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	140550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	189134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87194	48.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.580%		
35) Dibromofluoromethane	7.716	113	75805	51.189	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.380%		
50) Toluene-d8	10.179	98	312222	50.654	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.300%		
62) 4-Bromofluorobenzene	12.483	95	106742	49.648	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45574	45.580	ug/l	99
3) Chloromethane	2.113	50	46869	42.799	ug/l	98
4) Vinyl Chloride	2.253	62	61453	45.043	ug/l	100
5) Bromomethane	2.650	94	48971	49.119	ug/l	99
6) Chloroethane	2.796	64	44400	46.755	ug/l	98
7) Trichlorofluoromethane	3.125	101	131702	46.965	ug/l	99
8) Diethyl Ether	3.528	74	39941	48.033	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	67442	47.626	ug/l	99
10) Methyl Iodide	4.088	142	89764	48.896	ug/l	100
11) Tert butyl alcohol	4.954	59	37910	218.546	ug/l	96
12) 1,1-Dichloroethene	3.875	96	64757	46.281	ug/l	95
13) Acrolein	3.735	56	47990	228.404	ug/l	99
14) Allyl chloride	4.479	41	79466	46.580	ug/l	99
15) Acrylonitrile	5.161	53	100731	262.573	ug/l	99
16) Acetone	3.948	43	125248	291.161	ug/l	99
17) Carbon Disulfide	4.198	76	155413	42.823	ug/l	99
18) Methyl Acetate	4.473	43	49770	48.136	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	211728	51.713	ug/l	99
20) Methylene Chloride	4.716	84	75331	46.589	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	73126	47.921	ug/l	97
22) Diisopropyl ether	6.119	45	176345	50.836	ug/l	99
23) Vinyl Acetate	6.058	43	550249	263.124	ug/l	97
24) 1,1-Dichloroethane	6.015	63	119648	48.248	ug/l	99
25) 2-Butanone	6.984	43	127915	268.012	ug/l	97
26) 2,2-Dichloropropane	6.978	77	131065	48.104	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	87538	49.432	ug/l	99
28) Bromochloromethane	7.332	49	48191	53.461	ug/l	98
29) Tetrahydrofuran	7.344	42	70685	273.948	ug/l	97
30) Chloroform	7.502	83	147601	49.368	ug/l	98
31) Cyclohexane	7.783	56	91936	44.491	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	144201	49.702	ug/l	100
36) 1,1-Dichloropropene	7.917	75	98234	49.013	ug/l	98
37) Ethyl Acetate	7.070	43	49355	54.574	ug/l	99
38) Carbon Tetrachloride	7.899	117	136089	50.584	ug/l	96
39) Methylcyclohexane	9.185	83	116068	48.127	ug/l	97
40) Benzene	8.161	78	293174	49.526	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27746m	56.000	ug/l	
42) 1,2-Dichloroethane	8.234	62	100141	52.193	ug/l	99
43) Isopropyl Acetate	8.271	43	90314	53.862	ug/l	99
44) Trichloroethene	8.941	130	90182	50.045	ug/l	97
45) 1,2-Dichloropropane	9.216	63	64662	50.376	ug/l	99
46) Dibromomethane	9.301	93	44651	52.536	ug/l	99
47) Bromodichloromethane	9.496	83	114690	52.044	ug/l	99
48) Methyl methacrylate	9.289	41	40975	53.461	ug/l	97
49) 1,4-Dioxane	9.295	88	14027	1195.544	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	259633	286.992	ug/l	99
52) Toluene	10.246	92	203839	50.778	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	116315	52.380	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	123173	51.257	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	66932	53.896	ug/l	99
56) Ethyl methacrylate	10.508	69	88034	56.422	ug/l	97
57) 1,3-Dichloropropane	10.788	76	106510	53.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	192578	274.599	ug/l	98
59) 2-Hexanone	10.831	43	202034	295.513	ug/l	99
60) Dibromochloromethane	10.984	129	89858	54.280	ug/l	99
61) 1,2-Dibromoethane	11.087	107	62323	53.560	ug/l	99
64) Tetrachloroethene	10.721	164	107536	54.461	ug/l	96
65) Chlorobenzene	11.514	112	228921	51.031	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	92951	52.876	ug/l	98
67) Ethyl Benzene	11.593	91	400015	50.793	ug/l	100
68) m/p-Xylenes	11.703	106	321898	102.399	ug/l	99
69) o-Xylene	12.032	106	154581	51.635	ug/l	98
70) Styrene	12.044	104	266292	52.448	ug/l	99
71) Bromoform	12.209	173	61443	55.297	ug/l #	99
73) Isopropylbenzene	12.331	105	421395	49.536	ug/l	99
74) N-amyl acetate	12.142	43	81928	53.203	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	70251	51.073	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	51377m	43.736	ug/l	
77) Bromobenzene	12.611	156	102718	49.819	ug/l	98
78) n-propylbenzene	12.672	91	483572	49.388	ug/l	100
79) 2-Chlorotoluene	12.758	91	274391	49.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	364378	49.758	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	28034	53.816	ug/l	99
82) 4-Chlorotoluene	12.855	91	283089	48.552	ug/l	100
83) tert-Butylbenzene	13.075	119	325569	50.698	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	359684	49.918	ug/l	100
85) sec-Butylbenzene	13.251	105	457058	49.751	ug/l	100
86) p-Isopropyltoluene	13.373	119	403114	50.580	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	206144	50.249	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	203826	49.601	ug/l	100
89) n-Butylbenzene	13.696	91	340208	49.946	ug/l	99
90) Hexachloroethane	13.965	117	71866	49.127	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	183760	49.793	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14454	52.804	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	116859	51.104	ug/l	100
94) Hexachlorobutadiene	15.111	225	69628	49.014	ug/l	98
95) Naphthalene	15.239	128	240000	54.673	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	101211	51.133	ug/l	99

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

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