

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010969.D
 Acq On : 17 Oct 2022 12:41
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 01:14:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:10:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	290465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	468649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	420613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	207080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128734	48.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.220%		
35) Dibromofluoromethane	7.710	113	130595	45.835	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.660%		
50) Toluene-d8	10.179	98	485698	49.635	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.260%		
62) 4-Bromofluorobenzene	12.483	95	171199	43.740	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	92421	47.969	ug/l	100
3) Chloromethane	2.113	50	130100	47.067	ug/l	98
4) Vinyl Chloride	2.247	62	152419	48.650	ug/l	98
5) Bromomethane	2.644	94	98127	45.284	ug/l	98
6) Chloroethane	2.790	64	100777	48.135	ug/l	100
7) Trichlorofluoromethane	3.119	101	222218	48.460	ug/l	90
8) Diethyl Ether	3.528	74	84327	49.279	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	140390	48.808	ug/l	94
10) Methyl Iodide	4.088	142	181859	51.670	ug/l	91
11) Tert butyl alcohol	4.954	59	71449	197.566	ug/l	96
12) 1,1-Dichloroethene	3.869	96	134429	48.787	ug/l	84
13) Acrolein	3.723	56	107053	248.187	ug/l	99
14) Allyl chloride	4.473	41	217267	49.723	ug/l #	86
15) Acrylonitrile	5.155	53	221197	247.982	ug/l	97
16) Acetone	3.942	43	190915	245.711	ug/l #	84
17) Carbon Disulfide	4.186	76	382137	47.307	ug/l	100
18) Methyl Acetate	4.473	43	106557	42.827	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	388360	50.445	ug/l	97
20) Methylene Chloride	4.710	84	166558	37.658	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	153002	49.186	ug/l	90
22) Diisopropyl ether	6.112	45	477517	51.027	ug/l	93
23) Vinyl Acetate	6.058	43	1481011	264.651	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	280476	49.640	ug/l	99
25) 2-Butanone	6.978	43	288403	244.758	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	244941	48.818	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	178865	49.892	ug/l	89
28) Bromochloromethane	7.332	49	108712	61.729	ug/l	89
29) Tetrahydrofuran	7.344	42	181533	250.404	ug/l #	87
30) Chloroform	7.502	83	285550	50.135	ug/l	99
31) Cyclohexane	7.783	56	240038	46.882	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	248494	49.634	ug/l	96
36) 1,1-Dichloropropene	7.917	75	215486	49.393	ug/l	98
37) Ethyl Acetate	7.070	43	121857	50.447	ug/l #	93
38) Carbon Tetrachloride	7.899	117	223506	49.630	ug/l	98
39) Methylcyclohexane	9.179	83	259525	49.666	ug/l	92
40) Benzene	8.155	78	633294	49.473	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	59299m	44.288	ug/l	
42) 1,2-Dichloroethane	8.234	62	177035	49.913	ug/l	91
43) Isopropyl Acetate	8.271	43	217884	50.488	ug/l #	90
44) Trichloroethene	8.935	130	170386	49.118	ug/l	99
45) 1,2-Dichloropropane	9.216	63	163158	50.236	ug/l	95
46) Dibromomethane	9.301	93	90495	49.957	ug/l	97
47) Bromodichloromethane	9.496	83	220909	50.606	ug/l	99
48) Methyl methacrylate	9.289	41	99963	51.757	ug/l #	80
49) 1,4-Dioxane	9.295	88	26208	1006.962	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	614253	255.222	ug/l	88
52) Toluene	10.240	92	400967	50.421	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	229475	50.601	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	263808	50.835	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	131363	50.268	ug/l	99
56) Ethyl methacrylate	10.508	69	181978	52.431	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	226543	50.420	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	452772	294.342	ug/l	98
59) 2-Hexanone	10.831	43	429562	259.833	ug/l	85
60) Dibromochloromethane	10.984	129	156918	50.498	ug/l	100
61) 1,2-Dibromoethane	11.087	107	124504	49.751	ug/l	100
64) Tetrachloroethene	10.715	164	162346	49.583	ug/l	97
65) Chlorobenzene	11.514	112	430871	49.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	159644	49.947	ug/l	98
67) Ethyl Benzene	11.593	91	774936	50.725	ug/l	99
68) m/p-Xylenes	11.703	106	593544	100.997	ug/l	95
69) o-Xylene	12.026	106	285136	51.096	ug/l	94
70) Styrene	12.044	104	488454	51.658	ug/l	95
71) Bromoform	12.209	173	99532	50.457	ug/l #	99
73) Isopropylbenzene	12.325	105	758447	50.413	ug/l	99
74) N-amyl acetate	12.142	43	195693	51.267	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	153759	48.698	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	114837m	47.869	ug/l	
77) Bromobenzene	12.605	156	174249	49.549	ug/l	100
78) n-propylbenzene	12.672	91	925695	50.572	ug/l	99
79) 2-Chlorotoluene	12.758	91	515296	49.987	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	635369	50.615	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	55731	50.983	ug/l #	84
82) 4-Chlorotoluene	12.855	91	534574	49.806	ug/l	99
83) tert-Butylbenzene	13.075	119	554504	51.083	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	628634	50.786	ug/l	99
85) sec-Butylbenzene	13.251	105	831004	50.946	ug/l	100
86) p-Isopropyltoluene	13.367	119	690218	51.008	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	346158	49.321	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	344458	49.361	ug/l	98
89) n-Butylbenzene	13.696	91	650240	51.424	ug/l	99
90) Hexachloroethane	13.959	117	133038	49.818	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	311175	49.555	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25200	48.272	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	189741	50.558	ug/l	99
94) Hexachlorobutadiene	15.111	225	109423	49.534	ug/l	98
95) Naphthalene	15.233	128	397062	51.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	166041	50.714	ug/l	99

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

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