

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011213.D
 Acq On : 01 Nov 2022 10:49
 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 11/02/2022
 Supervised By :Mahesh Dadoda 11/02/2022

Quant Time: Nov 01 11:02:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	236031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	380552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	350328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122567	56.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.740%			
35) Dibromofluoromethane	7.716	113	121439	57.574	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.140%			
50) Toluene-d8	10.179	98	467630	58.852	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.700%			
62) 4-Bromofluorobenzene	12.477	95	166940	59.920	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	89453	57.136	ug/l	99
3) Chloromethane	2.107	50	122001	54.316	ug/l	99
4) Vinyl Chloride	2.247	62	138271	54.312	ug/l	99
5) Bromomethane	2.644	94	91939	52.213	ug/l	100
6) Chloroethane	2.790	64	90434	53.157	ug/l	99
7) Trichlorofluoromethane	3.119	101	209076	56.109	ug/l	91
8) Diethyl Ether	3.527	74	77856	55.990	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	128804	55.108	ug/l	93
10) Methyl Iodide	4.082	142	174224	60.916	ug/l	91
11) Tert butyl alcohol	4.948	59	67378	277.685	ug/l	96
12) 1,1-Dichloroethene	3.869	96	126938	56.693	ug/l	85
13) Acrolein	3.723	56	31658	90.321	ug/l	99
14) Allyl chloride	4.472	41	197882	55.731	ug/l #	85
15) Acrylonitrile	5.155	53	198773	274.235	ug/l	97
16) Acetone	3.942	43	231583	366.789	ug/l #	83
17) Carbon Disulfide	4.192	76	417483	63.601	ug/l	99
18) Methyl Acetate	4.472	43	96113	54.358	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	355819	56.877	ug/l	97
20) Methylene Chloride	4.710	84	158198	58.579	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	147991	58.547	ug/l	88
22) Diisopropyl ether	6.112	45	419644	55.184	ug/l #	92
23) Vinyl Acetate	6.051	43	1321389	290.584	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	254354	55.399	ug/l	99
25) 2-Butanone	6.978	43	292233	305.204	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	224868	55.153	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	163463	56.111	ug/l	89
28) Bromochloromethane	7.332	49	102865	62.294	ug/l #	86
29) Tetrahydrofuran	7.344	42	164666	279.521	ug/l #	84
30) Chloroform	7.502	83	255736	55.255	ug/l	98
31) Cyclohexane	7.783	56	231960	55.753	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	227739	55.979	ug/l	95
36) 1,1-Dichloropropene	7.911	75	202392	57.131	ug/l	98
37) Ethyl Acetate	7.070	43	107940	55.034	ug/l #	92
38) Carbon Tetrachloride	7.899	117	208785	57.093	ug/l	100
39) Methylcyclohexane	9.179	83	253647	59.779	ug/l	91
40) Benzene	8.155	78	590815	56.840	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	62829m	59.113	ug/l	
42) 1,2-Dichloroethane	8.234	62	161914	56.218	ug/l	91
43) Isopropyl Acetate	8.271	43	196984	56.212	ug/l #	88
44) Trichloroethene	8.935	130	158009	56.095	ug/l	97
45) 1,2-Dichloropropane	9.209	63	148276	56.223	ug/l	97
46) Dibromomethane	9.301	93	83608	56.840	ug/l	96
47) Bromodichloromethane	9.496	83	197866	55.820	ug/l	99
48) Methyl methacrylate	9.289	41	92816	59.182	ug/l #	78
49) 1,4-Dioxane	9.295	88	24259	1147.852	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	548806	280.816	ug/l #	87
52) Toluene	10.240	92	376399	58.289	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	212682	57.755	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	241837	57.389	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	120147	56.619	ug/l	98
56) Ethyl methacrylate	10.508	69	167931	59.584	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	206587	56.622	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	381461	271.955	ug/l	96
59) 2-Hexanone	10.831	43	419830	312.734	ug/l	84
60) Dibromochloromethane	10.983	129	143560	56.894	ug/l	99
61) 1,2-Dibromoethane	11.087	107	114965	56.574	ug/l	100
64) Tetrachloroethene	10.715	164	155048	56.854	ug/l	96
65) Chlorobenzene	11.514	112	397696	55.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	145638	54.707	ug/l	97
67) Ethyl Benzene	11.587	91	713693	56.089	ug/l	98
68) m/p-Xylenes	11.697	106	557481	113.892	ug/l	95
69) o-Xylene	12.026	106	263265	56.642	ug/l	96
70) Styrene	12.038	104	452675	57.479	ug/l	96
71) Bromoform	12.203	173	91082	55.437	ug/l #	100
73) Isopropylbenzene	12.325	105	695805	54.000	ug/l	99
74) N-amyl acetate	12.142	43	179392	54.873	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	137616	50.890	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	99633m	49.481	ug/l	
77) Bromobenzene	12.605	156	158585	52.652	ug/l	99
78) n-propylbenzene	12.666	91	851740	54.330	ug/l	99
79) 2-Chlorotoluene	12.751	91	476276	53.945	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	589046	54.790	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	52532	56.110	ug/l #	82
82) 4-Chlorotoluene	12.849	91	490224	53.328	ug/l	99
83) tert-Butylbenzene	13.075	119	506784	54.512	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	585175	55.198	ug/l	99
85) sec-Butylbenzene	13.251	105	754824	54.032	ug/l	100
86) p-Isopropyltoluene	13.367	119	631694	54.507	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	319804	53.203	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	321113	53.727	ug/l	99
89) n-Butylbenzene	13.690	91	593289	54.783	ug/l	99
90) Hexachloroethane	13.959	117	122056	53.365	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	288427	53.630	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23954	53.575	ug/l	83
93) 1,2,4-Trichlorobenzene	15.001	180	180885	56.276	ug/l	99
94) Hexachlorobutadiene	15.111	225	102826	54.349	ug/l	99
95) Naphthalene	15.233	128	389674	59.530	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	159580	56.910	ug/l	99

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

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