

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016078.D
 Acq On : 26 Oct 2023 12:45
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 03:57:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 03:53:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	204549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	328257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	293730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102774	50.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.060%			
35) Dibromofluoromethane	7.716	113	105526	50.923	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.840%			
50) Toluene-d8	10.179	98	395735	51.555	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.477	95	135243	51.363	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	71664	50.765	ug/l	95
3) Chloromethane	2.113	50	88658	51.252	ug/l	99
4) Vinyl Chloride	2.253	62	100726	50.970	ug/l	98
5) Bromomethane	2.650	94	72997	49.696	ug/l	98
6) Chloroethane	2.796	64	69278	51.180	ug/l	98
7) Trichlorofluoromethane	3.125	101	157654	49.852	ug/l	98
8) Diethyl Ether	3.528	74	54107	51.046	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	94277	49.417	ug/l	96
10) Methyl Iodide	4.088	142	128734	52.811	ug/l	95
11) Tert butyl alcohol	4.954	59	47654	211.915	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	89305	51.093	ug/l	89
13) Acrolein	3.729	56	59669	235.540	ug/l	99
14) Allyl chloride	4.479	41	139625	51.101	ug/l	92
15) Acrylonitrile	5.161	53	132963	255.705	ug/l	98
16) Acetone	3.948	43	136985	248.478	ug/l	89
17) Carbon Disulfide	4.198	76	243456	50.354	ug/l	100
18) Methyl Acetate	4.479	43	100768	51.698	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	257403	51.640	ug/l	99
20) Methylene Chloride	4.716	84	110950	51.917	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	102840	50.757	ug/l	91
22) Diisopropyl ether	6.125	45	311654	52.163	ug/l	88
23) Vinyl Acetate	6.058	43	837851	261.738	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	184043	51.130	ug/l	97
25) 2-Butanone	6.984	43	185813	249.729	ug/l	94
26) 2,2-Dichloropropane	6.984	77	165231	49.380	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	120292	50.555	ug/l	94
28) Bromochloromethane	7.332	49	76333	51.837	ug/l	91
29) Tetrahydrofuran	7.344	42	111577	261.358	ug/l	91
30) Chloroform	7.509	83	192872	50.724	ug/l	98
31) Cyclohexane	7.789	56	154842	48.390	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	171508	50.286	ug/l	98
36) 1,1-Dichloropropene	7.917	75	145740	50.454	ug/l	99
37) Ethyl Acetate	7.070	43	76148	51.431	ug/l #	94
38) Carbon Tetrachloride	7.899	117	155289	50.837	ug/l	98
39) Methylcyclohexane	9.185	83	179632	51.046	ug/l	93
40) Benzene	8.161	78	419372	51.279	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	39887m	51.476	ug/l	
42) 1,2-Dichloroethane	8.234	62	121790	51.538	ug/l	93
43) Isopropyl Acetate	8.271	43	143351	51.783	ug/l	93
44) Trichloroethene	8.941	130	116342	50.946	ug/l	95
45) 1,2-Dichloropropane	9.216	63	107397	51.886	ug/l	99
46) Dibromomethane	9.307	93	62194	51.245	ug/l	97
47) Bromodichloromethane	9.496	83	152118	51.826	ug/l	97
48) Methyl methacrylate	9.295	41	67404	52.851	ug/l	86
49) 1,4-Dioxane	9.295	88	15585	1026.379	ug/l #	55
51) 4-Methyl-2-Pentanone	10.069	43	385119	263.648	ug/l	91
52) Toluene	10.246	92	272495	51.888	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	156094	52.006	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	177077	52.169	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	88195	51.146	ug/l	94
56) Ethyl methacrylate	10.508	69	118265	53.366	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	149290	51.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	285179	258.490	ug/l	95
59) 2-Hexanone	10.831	43	280228	260.429	ug/l	89
60) Dibromochloromethane	10.984	129	109137	51.684	ug/l	100
61) 1,2-Dibromoethane	11.087	107	85606	51.845	ug/l	98
64) Tetrachloroethene	10.721	164	97511	50.166	ug/l	95
65) Chlorobenzene	11.514	112	295588	51.208	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	113127	52.479	ug/l	98
67) Ethyl Benzene	11.593	91	530108	51.704	ug/l	97
68) m/p-Xylenes	11.703	106	411600	103.738	ug/l	94
69) o-Xylene	12.026	106	198273	52.198	ug/l	96
70) Styrene	12.044	104	333529	52.676	ug/l	96
71) Bromoform	12.209	173	68483	52.154	ug/l #	98
73) Isopropylbenzene	12.331	105	523147	50.712	ug/l	100
74) N-amyl acetate	12.142	43	132082	52.509	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	106523	50.515	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	73357m	48.683	ug/l	
77) Bromobenzene	12.605	156	122141	50.732	ug/l	98
78) n-propylbenzene	12.672	91	633606	50.726	ug/l	99
79) 2-Chlorotoluene	12.752	91	351184	50.201	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	435599	50.859	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	34942	50.738	ug/l	93
82) 4-Chlorotoluene	12.855	91	367054	50.595	ug/l	99
83) tert-Butylbenzene	13.075	119	391311	51.399	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	431408	51.000	ug/l	98
85) sec-Butylbenzene	13.251	105	576167	50.813	ug/l	100
86) p-Isopropyltoluene	13.367	119	485082	51.268	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	244986	50.394	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	241121	50.185	ug/l	99
89) n-Butylbenzene	13.696	91	448603	50.827	ug/l	96
90) Hexachloroethane	13.959	117	93390	50.698	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	219264	50.941	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16563	50.030	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	136292	51.182	ug/l	99
94) Hexachlorobutadiene	15.111	225	77516	50.155	ug/l	98
95) Naphthalene	15.233	128	272055	52.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	117922	51.351	ug/l	99

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

